The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

11/18/2011

Justyna Miller
Assistant District Attorney, Suffolk County

Dear ADA Miller,

Enclosed is the information you requested in regards to Commonwealth vs. ██████████ Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Daniel Renczkowski.

2. Drug Analysis Laboratory Receipt.

3. Control Cards with analytical results for samples # ███████████████

4. Analysis sheets with custodial chemist's hand notations and test results.

5. GC/Mass Spectral analytical data for samples.

Annie Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Daniel Renczkowski was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

Annie Dookhan
Chemist
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6622

Folk_OIG_PRR_027558

Curriculum Vitae

Annie Khan (Dookhan)

Education:
University of Massachusetts, Boston, Ma, Master of Science in Chemistry.
University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:
2003 – present
Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.
*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.
*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.
*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.
*Maintenance and repairs of all analytical instruments.
*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.
*Oversee the Quality Control/Quality Assurance program for the Drug Lab.
*Writing, revising and reviewing Standard Operating Procedures (SOPs) and Protocols.
*Notary Public.
*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003
QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.
*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.
*Writing, revising and reviewing Standard Operating Procedures (SOPs).
*Trained and supervised new chemists and interns for the department.
*Routine QC testing of products for the FDA.
*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.
*Calibration, preventive maintenance, QC and QA of analytical instrumentation.
*Complete testing of chemicals for Vendor Validation Project for the FDA.
*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:
Dept. of Justice – Forensics Professionals. (numerous trainings)
GLP/GMP training with Massachusetts Biologic Laboratory.
QC/QA training according to FDA Codes and Regulations.
GC and GC/MS trainings with Agilent Technologies and Restek.
HPLC and LC/MS/MS trainings with Waters Cooperation.
FTIR training with Spectros.
TOC training with MBL and Sievers.

Association:
American Chemical Society (ACS)
Northeastern Association of Forensics Science (NEAFS)

Curriculum Vitae

Daniel Renczkowski

Education

Degree: Bachelors of Science in Forensic Chemistry,
May 2005 from Buffalo State College
GPA: 3.84, Dean's List, Honor's Recognition
American Chemical Society Undergraduate Award
Phi Lambda Upsilon Membership

Related Coursework:

Analytical Chemistry	Physical Chemistry
Organic Chemistry I and II	Instrumental Chemistry
Biochemistry	Forensics Laboratory
Chemistry of Criminalistics	Physical Evidence
Anatomy	Physiology

Employment

Massachusetts Department of Public Health Drug Analysis Laboratory
Chemist I (October 2005 – March 2008)
Chemist II (March 2008 – present)

- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff
- Successfully completed GC/MS training program
- Responsible for the identification of substances to determine violation of the Controlled Substances Act of the Massachusetts General Laws
- Responsible for maintenance and repairs of analytical instruments
- Responsible for quality control of analytical instruments and standards

Related Experience

Niagara County Forensics Laboratory
Forensic Internship, January 2005

- Conducted research on the presumptive testing of saliva
- Conducted research on the identification and detection of lubricants
- Observed all aspects of the laboratory including drug analysis, firearms comparison, trace evidence, arson investigation, toxicology, and serology
- Daily use of FTIR microscope and DuraSamplerII
- Familiarized with GC/MS programs

BostonPolice DEPARTMENT

DRUG RECEIPT

CC # ▮▮▮▮▮▮▮▮

BOOK # 64

PAGE # 44

DESTRUCTION # _____

District/Unit ____A-1 DCU____

Name & Rank of Arresting Officer ___S/D Wm DWAN___ ID# __10060__

DEFENDANT'S NAME	ADDRESS	CITY	STATE
▮▮▮▮▮▮▮▮▮▮▮▮	▮▮▮▮▮▮▮▮▮▮	Somerville	MA

DESCRIPTION OF ITEMS SUBMITTED	GROSS QUANTITY	GROSS WEIGHT	ANALYSIS NUMBER
CLONIDINE	6 TABLETS	2.62g	▮▮▮▮▮
SUBOXONE	1 TABLET	2.30g	▮▮▮▮▮
CLONIDINE	141 TABLETS	18.60g	▮▮▮▮▮
SUBOXONE	44 TABLETS	19.09g	▮▮▮▮▮
SUBOXONE	PIECES	2.33g	▮▮▮▮▮

LAB USE ONLY (spanning GROSS WEIGHT and ANALYSIS NUMBER columns)

To be completed by ECU personnel only

Name and Rank of Submitting Officer __Sylvy White__ ID# __11064__

Received by ___Elo___ Date __3-2-11__

ECU Control # _____

BPD Form 0038-BIS-0907 (prev. 1753)

No.
City: Boston D.C.U. Police Dept.
Officer: P.O. SYBIL WHITE
Def:
Amount: 6.0
No. Cont: 1   Cont: pb
Date Rec'd: 03/02/2011
Gross Wt.: 2.62

Date Analyzed: 05-11-11
Subst: TAB
No. Analyzed:
Net Weight:
Tests: 1 A+C ASO

Prelim: E   Findings: clonidine

No.
City: Boston D.C.U. Police Dept.
Officer: P.O. SYBIL WHITE
Def:
Amount: 1.0
No. Cont: 1   Cont: pb
Date Rec'd: 03/02/2011
Gross Wt.: 2.30

Date Analyzed: 5-9-11
Subst: TAB
No. Analyzed:
Net Weight: 0.38
Tests: 1 ASO
.2DJR

Prelim: Buprenorphine B   Findings: Buprenorphine

No.
City: Boston D.C.U. Police Dept.
Officer: P.O. SYBIL WHITE
Def:
Amount: 141.0
No. Cont: 1   Cont: pb
Date Rec'd: 03/02/2011
Gross Wt.: 18.65

Date Analyzed: 05-4-11
Subst: TAB
No. Analyzed:
Net Weight:
Tests: 1 A+C ASO

Prelim: E   Findings: Clonidine

No.
City: Boston D.C.U. Police Dept.
Officer: P.O. SYBIL WHITE
Def:
Amount: 44.0
No. Cont: 1   Cont: pb
Date Rec'd: 03/02/2011
Gross Wt.: 19.09

Date Analyzed: 5-9-11
Subst: TAB
No. Analyzed:
Net Weight: 17.18
Tests: 1 ASO .2DJR

Prelim: Buprenorphine B   Findings: Buprenorphine

No.
City: Boston D.C.U. Police Dept.
Officer: P.O. SYBIL WHITE
Def:
Amount:
No. Cont: 1   Cont: pb
Date Rec'd: 03/02/2011
Gross Wt.: 2.33

Date Analyzed: 5-9-11
Subst: SUB
No. Analyzed: Broken tabs
Net Weight: 0.88
Tests: 1 ASO .2DJR

Prelim: Buprenorphine B   Findings: Buprenorphine

DRUG POWDER ANALYSIS FORM

SAMPLE # ████████   AGENCY Boston   ANALYST ߮߮

No. of samples tested: _____   Evidence Wt. _____

PHYSICAL DESCRIPTION: Gross Wt (   ): _____

    6 white round tablet   Gross Wt (   ): _____
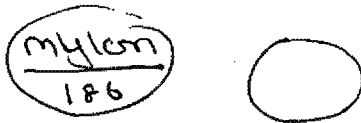
        in pb   Pkg. Wt: _____

                                  Net Wt: 0.6914

    (mylan
      186)   ( )

PRELIMINARY TESTS
Spot Tests

Cobalt
Thiocyanate ( ) _____

Marquis _____

Froehde's _____

Mecke's _____

Microcrystalline Tests

Gold
Chloride _____

TLTA ( ) _____

OTHER TESTS

_____

Micromedex A 1⊕

_____

PRELIMINARY TEST RESULTS

RESULTS clonidine

DATE 05-4-11

GC/MS CONFIRMATORY TEST

RESULTS _____

MS
OPERATOR _____

DATE _____

Revised 7/2005

⸱ıation

⸱)NIDINE HYDROCHLORIDE

⸱_ONIDINE HYDROCHLORIDE -- 0.2 MG

NDC: 51079-0300-19
51079-0300-66
51079-0300-17
51079-0300-20
00378-0186-01
00378-0186-10
51079-0300-63
51079-0300-01
51079-0300-56
51079-0301-62

⸱⸱
⸱AN 186

⸱ablet

⸱ntainer-Size: Strip of
30 , Strip of 1 , Strip of
⸱f 100 , Bottle of
age of 30 , Strip of
⸱f 90

⸱de: 201081 - Clonidine

Excipients: Ammonium
Chloride ; Silicon Dioxide,
Colloidal ; Croscarmellose Sodium (Type
A) ; Magnesium Stearate ; Cellulose,
Microcrystalline ; Sodium Lauryl Sulfate

Regulatory Status: RX

Availability: United States

Product ID 5150141

Contact: Mylan Pharmaceuticals

DRUG POWDER ANALYSIS FORM

SAMPLE # █████████ AGENCY _Boston._ ANALYST _ASO_

No. of samples tested: _____ Evidence Wt. _____

PHYSICAL DESCRIPTION:

1 orange hexagonal tablet
_in pb_

Gross Wt (   ): _____

Gross Wt (   ): _____

Pkg. Wt: _____

Net Wt: _0.3853_
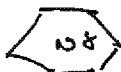
PRELIMINARY TESTS
Spot Tests

Cobalt
Thiocyanate (   ) _____

Marquis _____

Froehde's _____

Mecke's _____

Microcrystalline Tests

Gold
Chloride _____

TLTA (   ) _____

OTHER TESTS

_____

Muomoisc A (+)

_____

PRELIMINARY TEST RESULTS

RESULTS _Buprenorphine_

DATE _5-4-11_

GC/MS CONFIRMATORY TEST

RESULTS _Buprenorphine_

MS
OPERATOR _DJR_

DATE _5-9-11_

Revised 7/2005

\BLET

PHINE -- 8 MG

JO

e: Bottle of 30

NDC: 12496-1306-02

Regulatory Status: Schedule III

Availability: United States

Product ID 6370996

Contact: Reckitt Benckiser
Pharmaceuticals

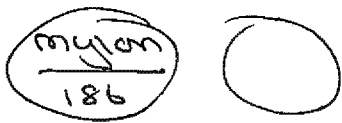2011 Thomson Reuters. All rights reserved.

DRUG POWDER ANALYSIS FORM

SAMPLE # ████████████ AGENCY Boston. ANALYST ADJ

No. of samples tested: _____ Evidence Wt. _____

PHYSICAL DESCRIPTION:

141 white round tablet
n.pb

Gross Wt ( ): _____

Gross Wt ( ): _____

Pkg. Wt: _____

Net Wt: 16.6912 _____

(mylon 186) ( )

PRELIMINARY TESTS
Spot Tests

Cobalt
Thiocyanate ( ) _____

Marquis _____

Froehde's _____

Mecke's _____

Microcrystalline Tests

Gold
Chloride _____

TLTA ( ) _____

OTHER TESTS

_____

Muomclic A 1(R)

_____

_____

PRELIMINARY TEST RESULTS

RESULTS Clonidine

DATE 3-4-11

GC/MS CONFIRMATORY TEST

RESULTS _____

MS
OPERATOR _____

DATE _____

Revised 7/2005

tion

)INE HYDROCHLORIDE

IIDINE HYDROCHLORIDE -- 0.2 MG

186

et

iiner-Size: Strip of
Strip of 1 , Strip of
)0 , Bottle of
of 30 , Strip of

201081 - Clonidine

NDC: 51079-0300-19
51079-0300-66
51079-0300-17
51079-0300-20
00378-0186-01
00378-0186-10
51079-0300-63
51079-0300-01
51079-0300-56
51079-0301-62

Excipients: Ammonium
Chloride ; Silicon Dioxide,
Colloidal ; Croscarmellose Sodium (Type
A) ; Magnesium Stearate ; Cellulose,
Microcrystalline ; Sodium Lauryl Sulfate

Regulatory Status: RX

Availability: United States

Product ID 5150141

Contact: Mylan Pharmaceuticals

DRUG POWDER ANALYSIS FORM

SAMPLE # ██████████ AGENCY _Boston._ ANALYST _____

No. of samples tested: _____   Evidence Wt. _____

PHYSICAL DESCRIPTION:

44 orange hexagonal tablet
n-pb

Gross Wt ( ): _____

Gross Wt ( ): _____

Pkg. Wt: _____

Net Wt: 17.1820

⟨N8⟩ ⟨+⟩

PRELIMINARY TESTS
Spot Tests

Cobalt
Thiocyanate ( ) _____

Marquis _____

Froehde's _____

Mecke's _____

Microcrystalline Tests

Gold
Chloride _____

TLTA ( ) _____

OTHER TESTS

_____

Microcor A (3)

_____

PRELIMINARY TEST RESULTS

RESULTS Buprenorphine

DATE 5-4-11

GC/MS CONFIRMATORY TEST

RESULTS Buprenorphine

MS
OPERATOR DJR

DATE 5-9-11

Revised 7/2005

Drug Information

DRUG NAME: SUBOXONE TABLET

INGREDIENTS: BUPRENORPHINE -- 8 MG
NALOXONE -- 2 MG

Color: orange

Shape: Six-sided

Imprint: N8 Sword Logo

Form: Sublingual Tablet

Available-Container-Size: Bottle of 30
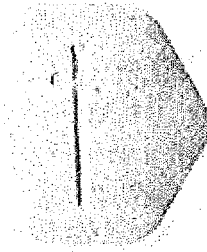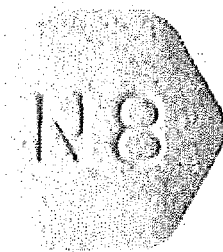
AAPCC Code: 200625 -
Buprenorphine

NDC: 12496-1306-02

Regulatory Status: Schedule III

Availability: United States

Product ID 6370996

Contact: Reckitt Benckiser
Pharmaceuticals

DRUG POWDER ANALYSIS FORM

SAMPLE # ████████   AGENCY Boston   ANALYST AS?

No. of samples tested: _____   Evidence Wt. _____

PHYSICAL DESCRIPTION:

     Q orange broken tablet
          in 1 pb

Gross Wt ( ): _____

Gross Wt ( ): _____

Pkg. Wt: _____

Net Wt: 0.8897 _____

PRELIMINARY TESTS
Spot Tests

Cobalt
Thiocyanate (—) — _____

Marquis purple _____

Froehde's purple _____

Mecke's — _____

Microcrystalline Tests

Gold
Chloride _____

TLTA ( ) _____

OTHER TESTS

Dille = — _____

KC + _____

_____

PRELIMINARY TEST RESULTS

RESULTS Buprenorphine

DATE 5-4-11

GC/MS CONFIRMATORY TEST

RESULTS Buprenorphine

MS
OPERATOR PJR
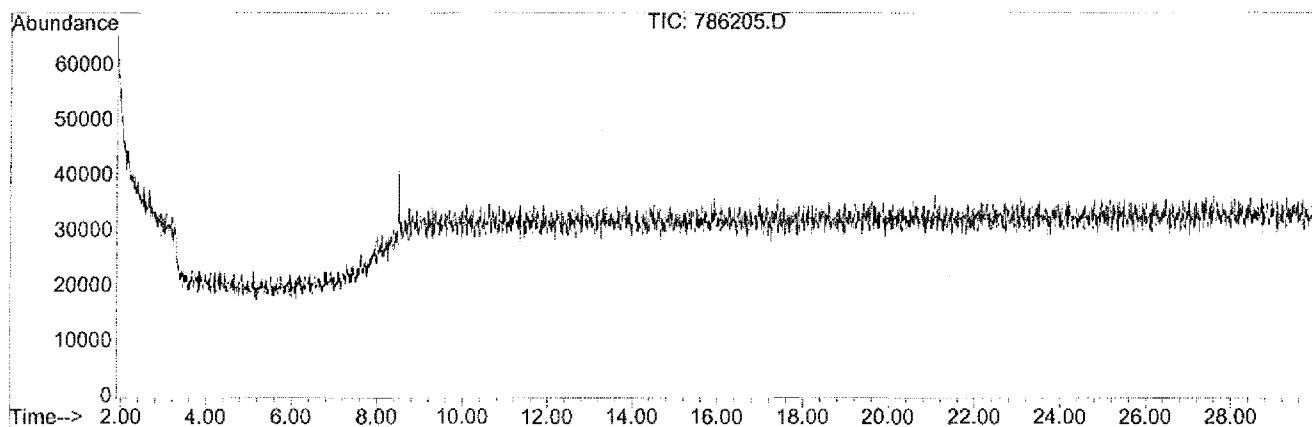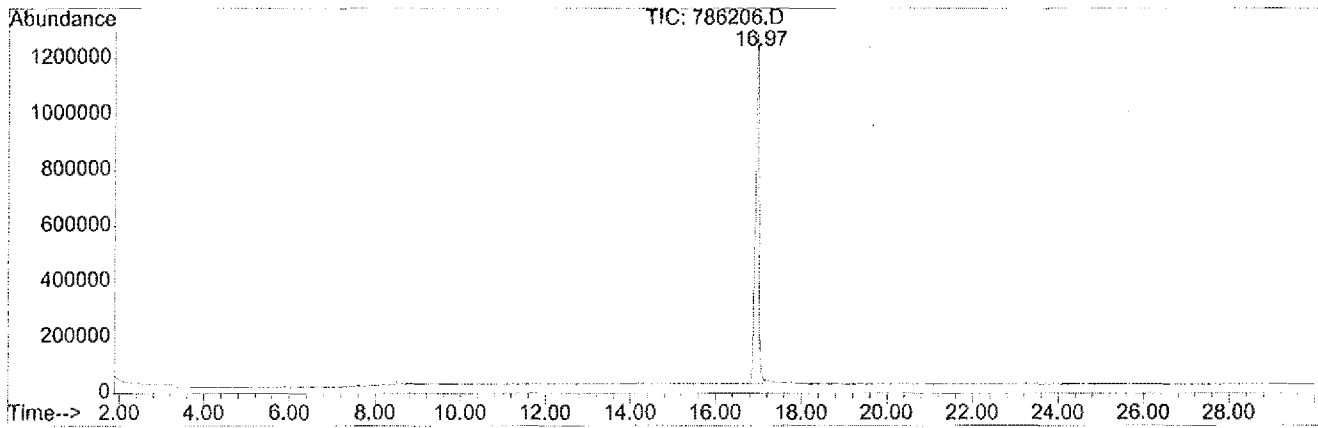
DATE 5-9-11

Area Percent / Library Search Report

Information from Data File:
File Name   : D:\SYSTEM4\05_05_11\786205.D
Operator   : DJR
Date Acquired : 5 May 2011 10:52
Sample Name   : BLANK
Submitted by :
Vial Number   : 1
AcquisitionMeth: WSCREEN
Integrator   : RTE

Ret. Time	Area	Area %	Ratio %

NO INTEGRATED PEAKS

Area Percent / Library Search Report
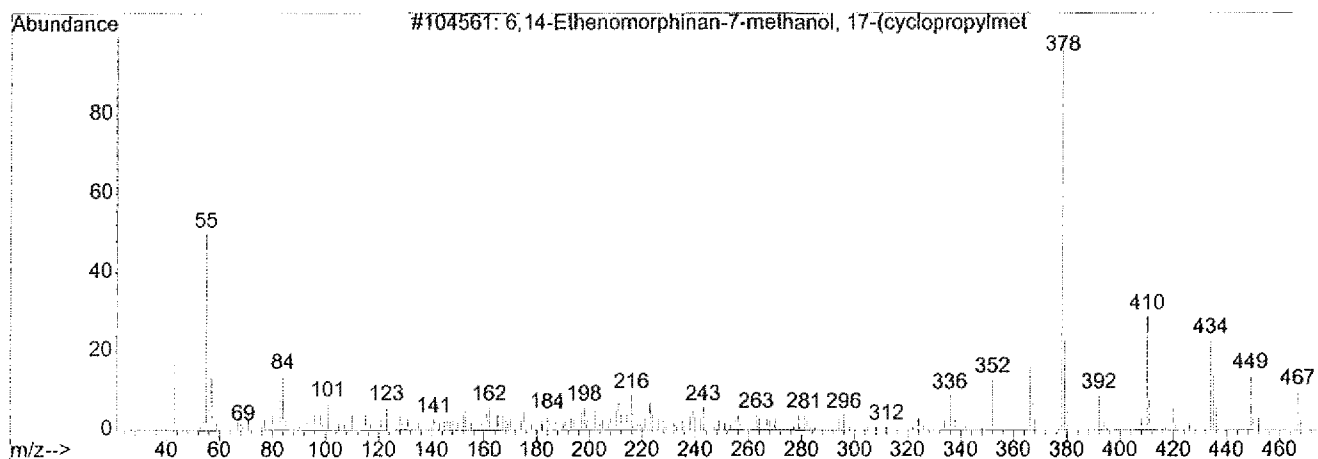
Information from Data File:
File Name   : D:\SYSTEM4\05_05_11\786206.D
Operator   : DJR
Date Acquired : 5 May 2011 11:25
Sample Name   : BUPRENORPHINE STD
Submitted by   :
Vial Number   :   6
AcquisitionMeth: WSCREEN
Integrator   : RTE

Ret. Time	Area	Area %	Ratio %
16.969	7182287	100.00	100.00

Area Percent / Library Search Report

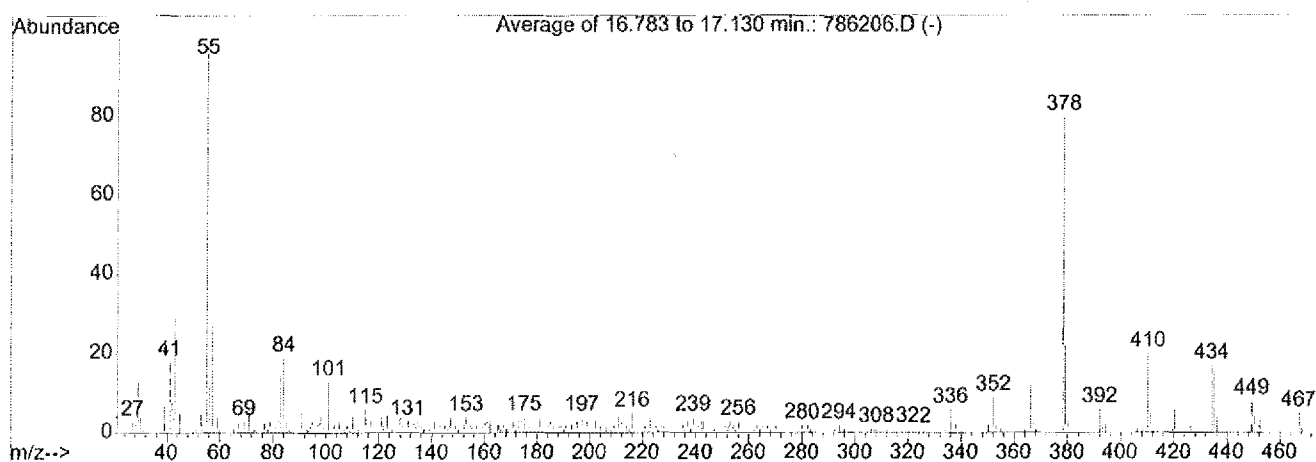Information from Data File:
```
File Name       : D:\SYSTEM4\05_05_11\786206.D
Operator        : DJR
Date Acquired   :  5 May 2011  11:25
Sample Name     : BUPRENORPHINE STD
Submitted by    :
Vial Number     :    6
AcquisitionMeth: WSCREEN
Integrator      : RTE
```

Search Libraries: C:\DATABASE\SLI   Minimum Quality: 90
                    C:\DATABASE\PMW_TOX2.L   Minimum Quality: 90
                    C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
1	16.97	C:\DATABASE\NIST98.L		
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	95
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	55
		10-Methoxycamptothecin	019685-10-0	55

Average of 16.783 to 17.130 min.: 786206.D (-)

#104561: 6,14-Ethenomorphinan-7-methanol, 17-(cyclopropylmet

786206.D   Tue Nov 15 10:12:26 2011   Page   2

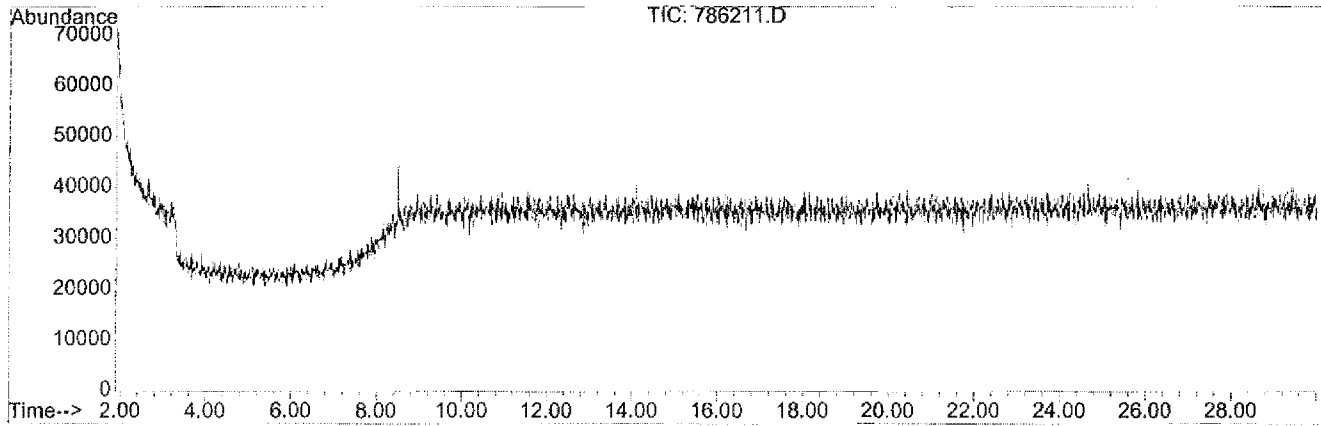# Area Percent / Library Search Report

Information from Data File:
```
File Name      : D:\SYSTEM4\05_05_11\786211.D
Operator       : DJR
Date Acquired  :  5 May 2011  14:15
Sample Name    : BLANK
Submitted by   : ASD
Vial Number    :   1
AcquisitionMeth: WSCREEN
Integrator     : RTE
```


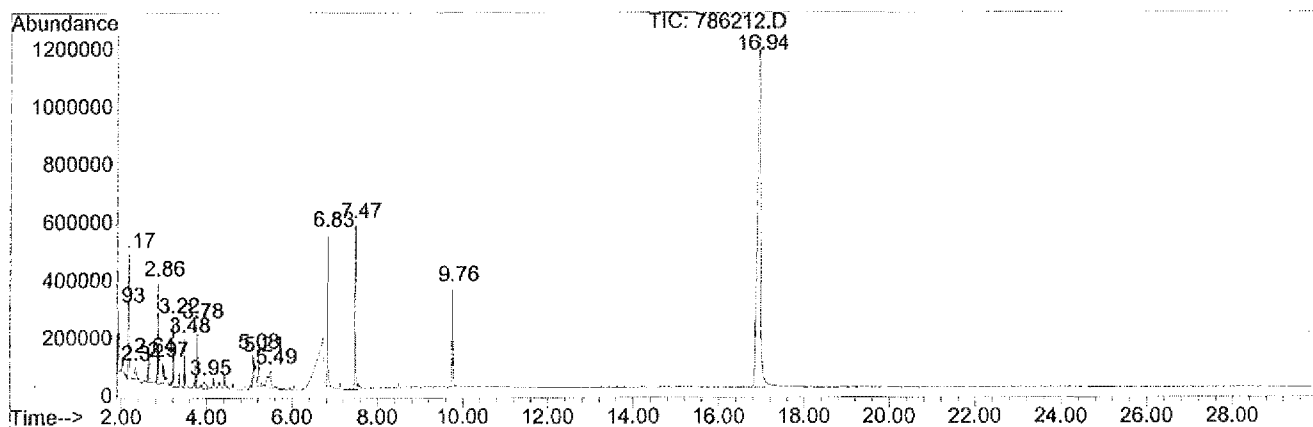| Ret. Time	Area	Area %	Ratio %

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:
File Name   : D:\SYSTEM4\05_05_11\786212.D
Operator   : DJR
Date Acquired   : 5 May 2011 14:49
Sample Name   : ███████████
Submitted by   : ASD
Vial Number   : 12
AcquisitionMeth: WSCREEN
Integrator   : RTE

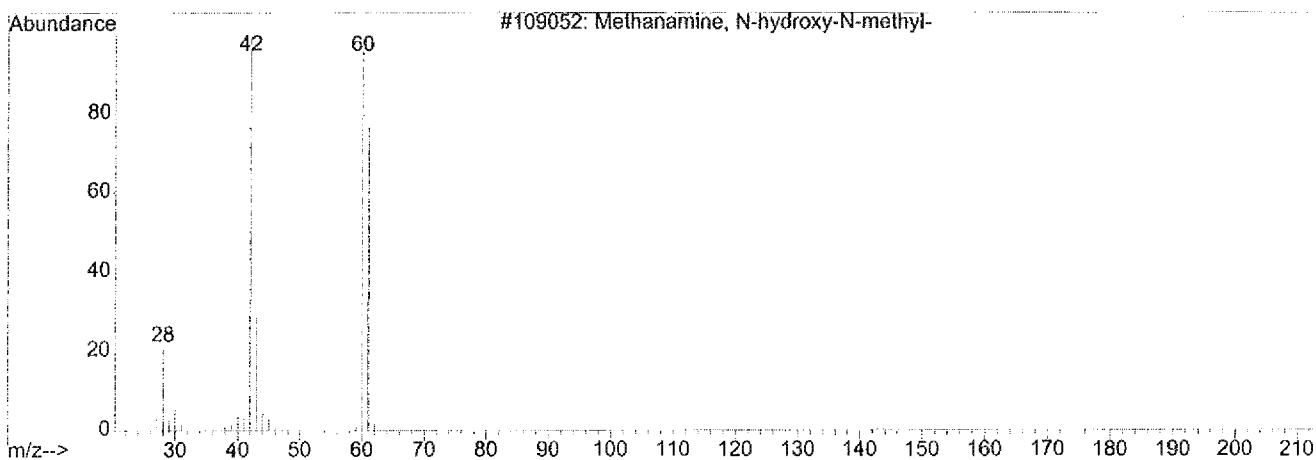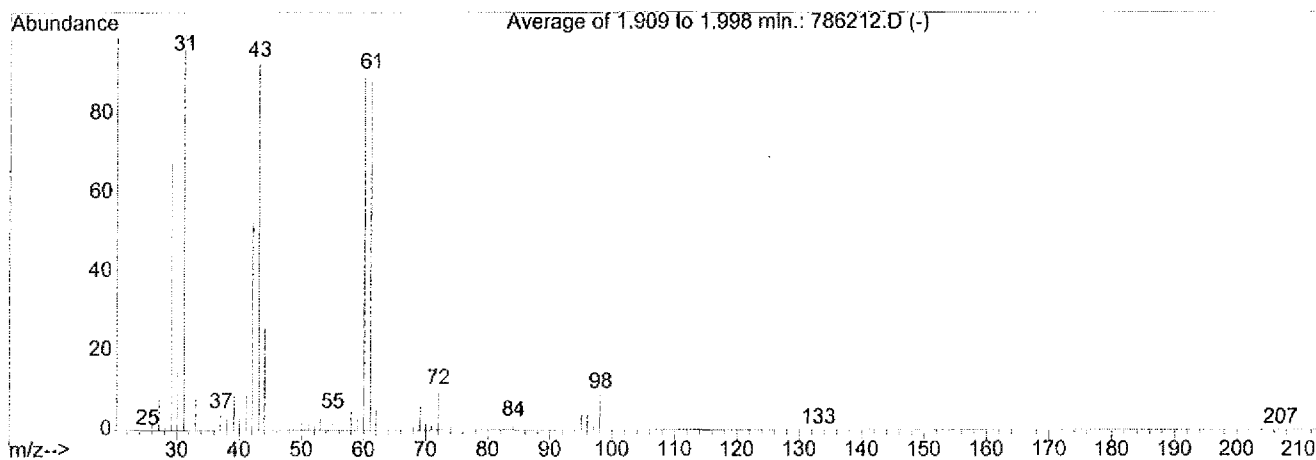| Ret. Time	Area	Area %	Ratio %
1.933	404848	3.46	6.34
2.166	774135	6.62	12.12
2.339	130497	1.12	2.04
2.644	135254	1.16	2.12
2.860	477120	4.08	7.47
2.967	143172	1.22	2.24
3.219	340884	2.91	5.34
3.476	194330	1.66	3.04
3.781	262497	2.24	4.11
3.954	115781	0.99	1.81
5.079	191676	1.64	3.00
5.211	219425	1.88	3.43
5.492	146759	1.25	2.30
6.826	578923	4.95	9.06
7.472	642382	5.49	10.06
9.757	552303	4.72	8.65
16.942	6388606	54.61	100.00

Area Percent / Library Search Report

Information from Data File:
File Name   : D:\SYSTEM4\05_05_11\786212.D
Operator   : DJR
Date Acquired : 5 May 2011   14:49
Sample Name   : █████████
Submitted by   : ASD
Vial Number   : 12
AcquisitionMeth: WSCREEN
Integrator   : RTE

Search Libraries: C:\DATABASE\SLI   Minimum Quality: 90
                    C:\DATABASE\PMW_TOX2.L   Minimum Quality: 90
                    C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
1	1.93	C:\DATABASE\NIST98.L		
		Methanamine, N-hydroxy-N-methyl-	005725-96-2	38
		Methanamine, N-hydroxy-N-methyl-	005725-96-2	32
		1,2-Ethanediol, monoformate	000628-35-3	23

Average of 1.909 to 1.998 min.: 786212.D (-)

#109052: Methanamine, N-hydroxy-N-methyl-

786212.D   Tue Nov 15 10:12:38 2011   Page   2

Information from Data File:
File Name   : D:\SYSTEM4\05_05_11\786212.D
Operator   : DJR
Date Acquired : 5 May 2011 14:49
Sample Name   : ███████████
Submitted by   : ASD
Vial Number   : 12
AcquisitionMeth: WSCREEN
Integrator   : RTE

Search Libraries: C:\DATABASE\SLI   Minimum Quality: 90
                    C:\DATABASE\PMW_TOX2.L   Minimum Quality: 90
                    C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
2	2.17	C:\DATABASE\NIST98.L		
		2-Propanone, 1,3-dihydroxy-	000096-26-4	.64
		Acetaldehyde, hydroxy-	000141-46-8	42
		Carbonic acid, dimethyl ester	000616-38-6	23
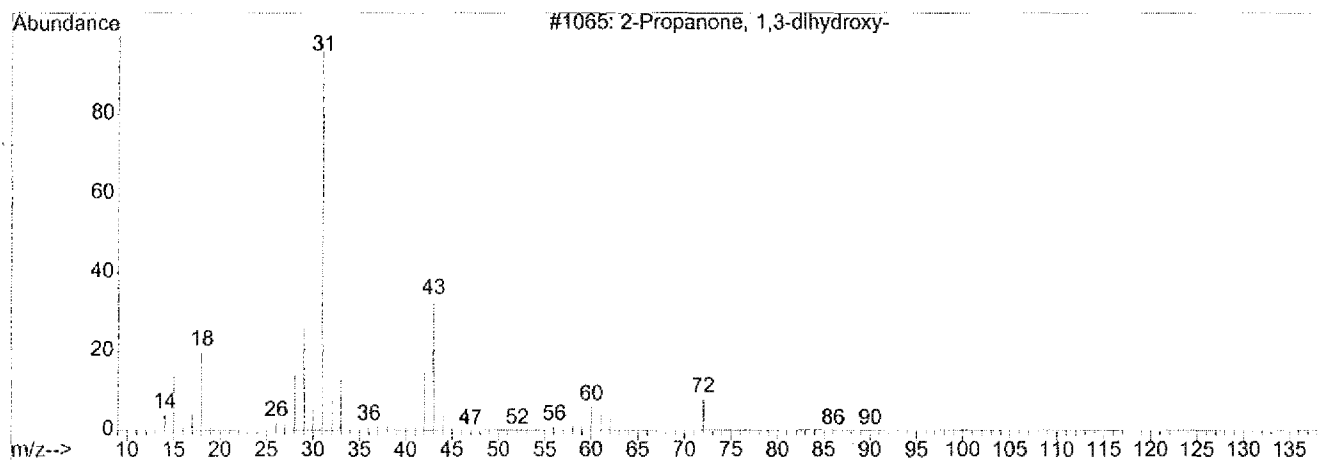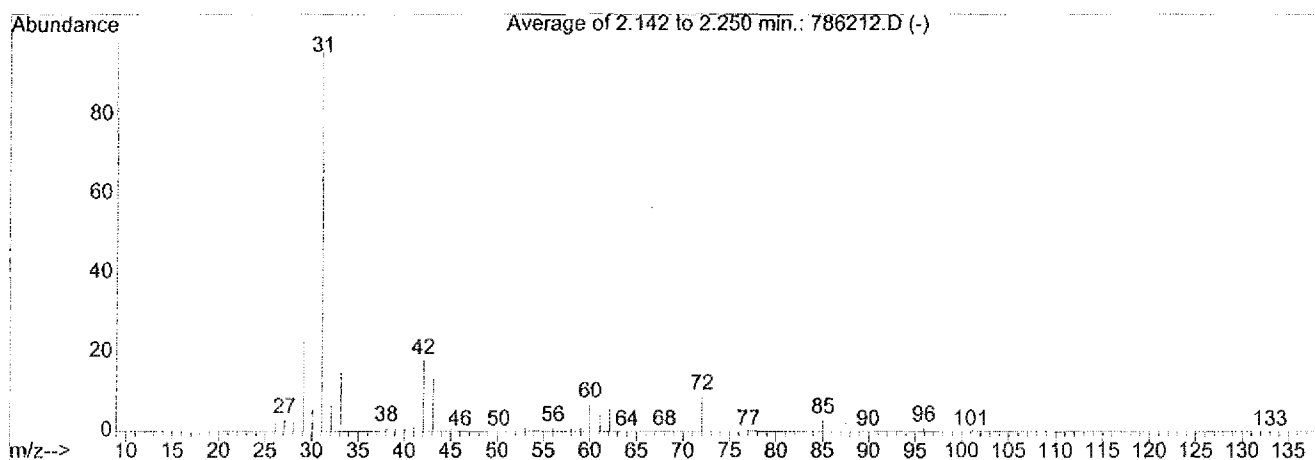
Average of 2.142 to 2.250 min.: 786212.D (-)

#1065: 2-Propanone, 1,3-dihydroxy-

Area Percent / Library Search Report

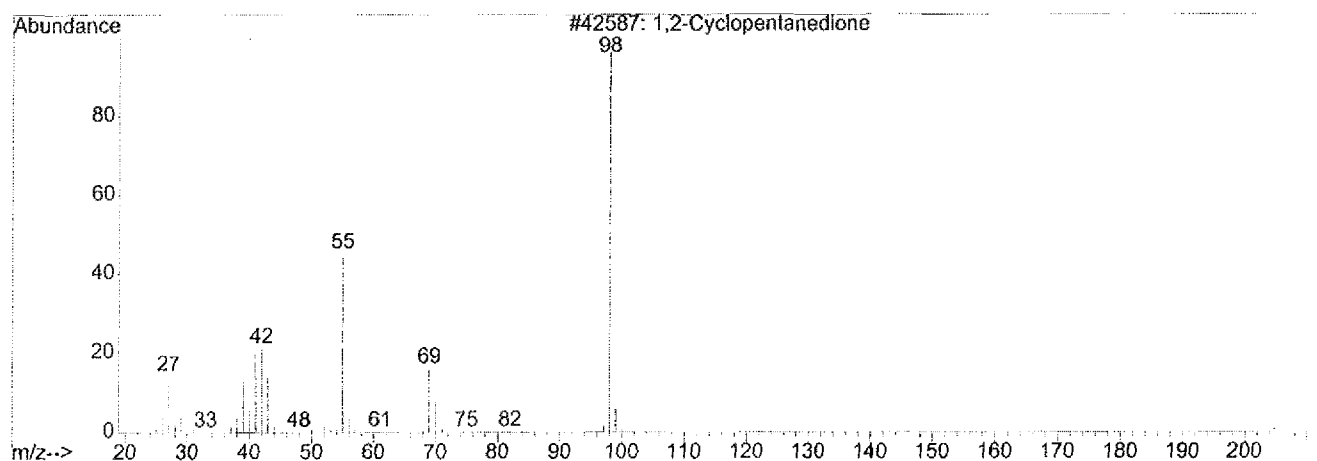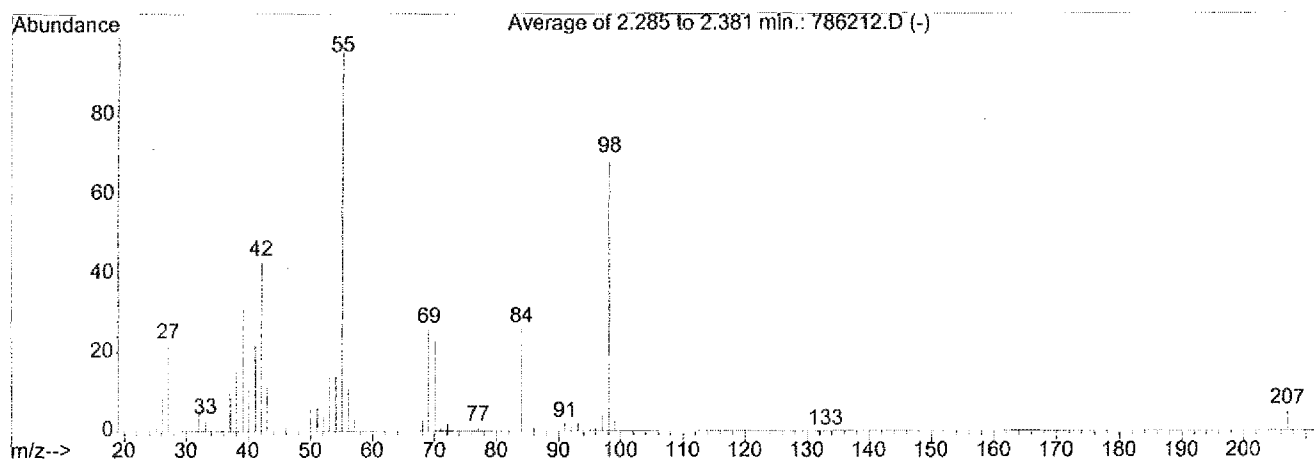Information from Data File:
```
File Name       : D:\SYSTEM4\05_05_11\786212.D
Operator        : DJR
Date Acquired   :  5 May 2011   14:49
Sample Name     : ███████████
Submitted by    : ASD
Vial Number     :  12
AcquisitionMeth : WSCREEN
Integrator      : RTE
```

Search Libraries:	C:\DATABASE\SLI	Minimum Quality: 90
	C:\DATABASE\PMW_TOX2.L	Minimum Quality: 90
	C:\DATABASE\NIST98.L	

PK#	RT	Library/ID	CAS#	Qual
3	2.34	C:\DATABASE\NIST98.L		
		1,2-Cyclopentanedione	003008-40-0	52
		2(3H)-Furanone, 5-methyl-	000591-12-8	50
		Cyclohexanone	000108-94-1	47

Average of 2.285 to 2.381 min.: 786212.D (-)

#42587: 1,2-Cyclopentanedione

Area Percent / Library Search Report

```
Information from Data File:
File Name       : D:\SYSTEM4\05_05_11\786212.D
Operator        : DJR
Date Acquired   :  5 May 2011   14:49
Sample Name     : ███████████
Submitted by    : ASD
Vial Number     :  12
AcquisitionMeth : WSCREEN
Integrator      : RTE
```
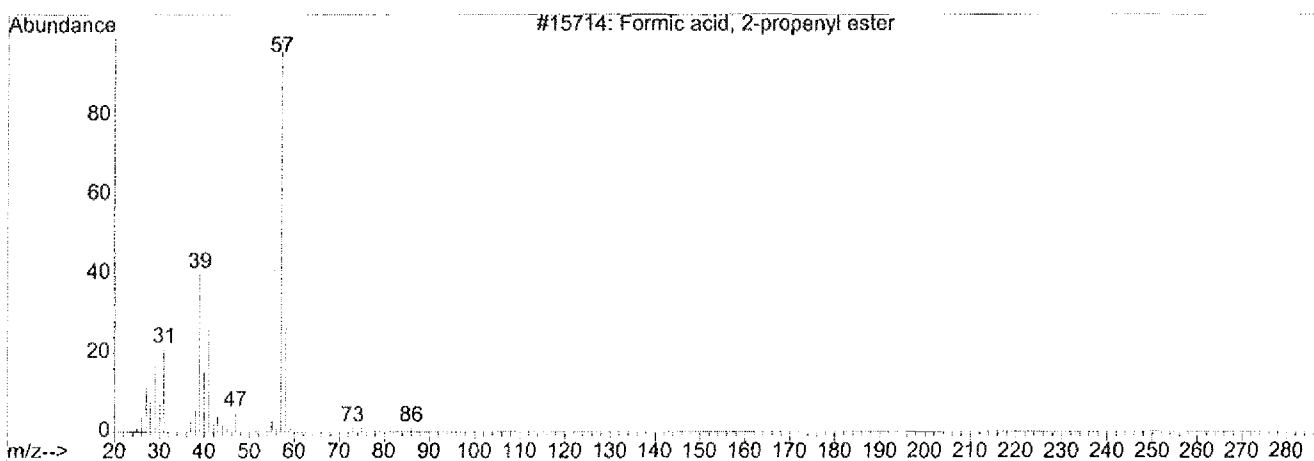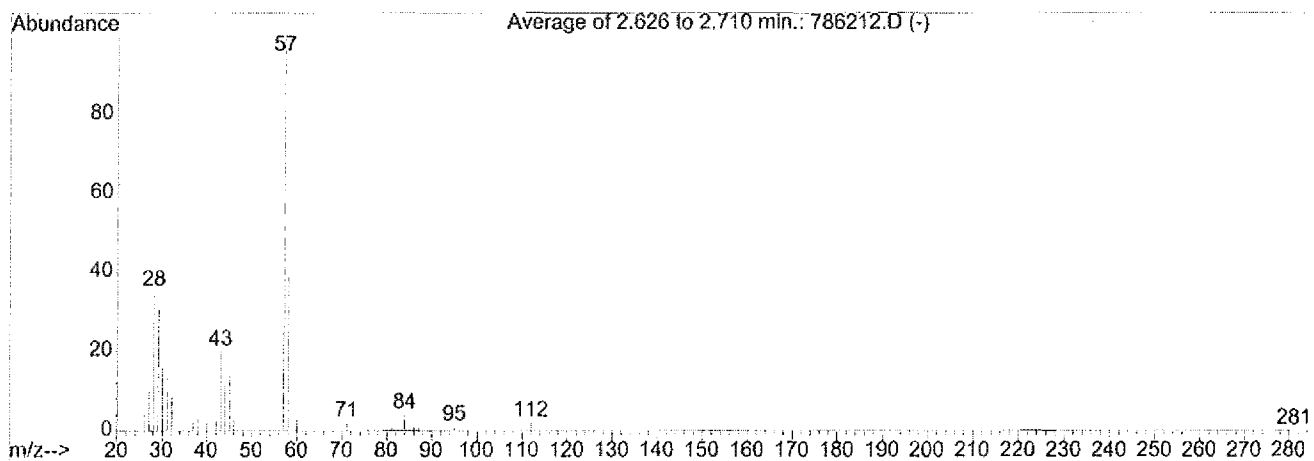
Search Libraries: C:\DATABASE\SLI   Minimum Quality: 90
                     C:\DATABASE\PMW_TOX2.L   Minimum Quality: 90
                     C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
4	2.64	C:\DATABASE\NIST98.L		
		Formic acid, 2-propenyl ester	001838-59-1	12
		3-Furanol, tetrahydro-	000453-20-3	9
		Cyclobutanemethanol	004415-82-1	9

Average of 2.626 to 2.710 min.: 786212.D (-)

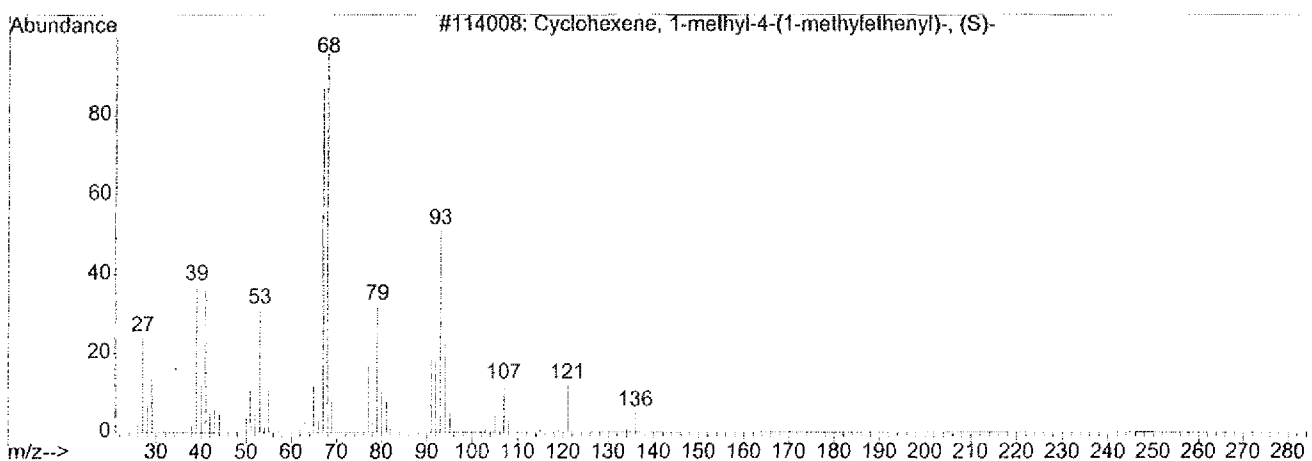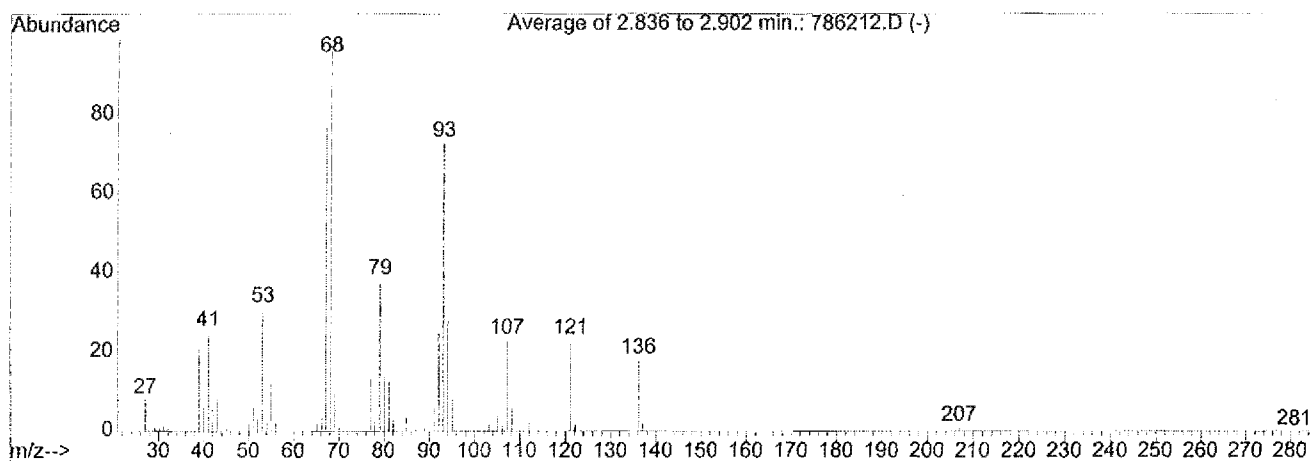

#15714: Formic acid, 2-propenyl ester

Area Percent / Library Search Report

Information from Data File:
```
File Name        : D:\SYSTEM4\05_05_11\786212.D
Operator         : DJR
Date Acquired    :  5 May 2011   14:49
Sample Name      : ███████████
Submitted by     : ASD
Vial Number      :  12
AcquisitionMeth: WSCREEN
Integrator       : RTE
```

Search Libraries: C:\DATABASE\SLI   Minimum Quality: 90
                     C:\DATABASE\PMW_TOX2.L   Minimum Quality: 90
                     C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
5	2.86	C:\DATABASE\NIST98.L		
		Cyclohexene, 1-methyl-4-(1-methylet	005989-54-8	94
		Limonene	000138-86-3	94
		D-Limonene	005989-27-5	90

Average of 2.836 to 2.902 min.: 786212.D (-)

#114008: Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (S)-

786212.D   Tue Nov 15 10:12:42 2011   Page 6
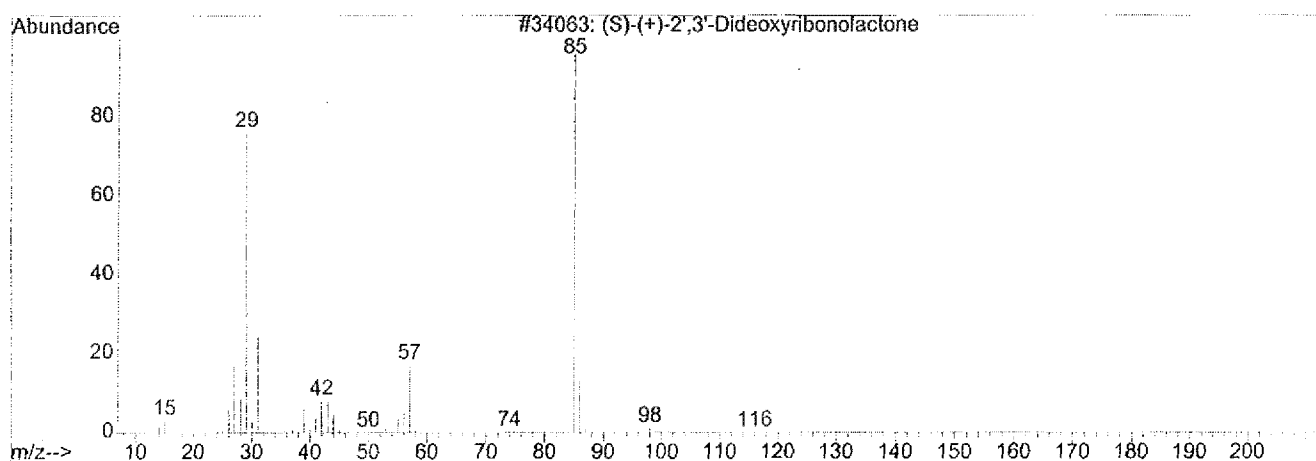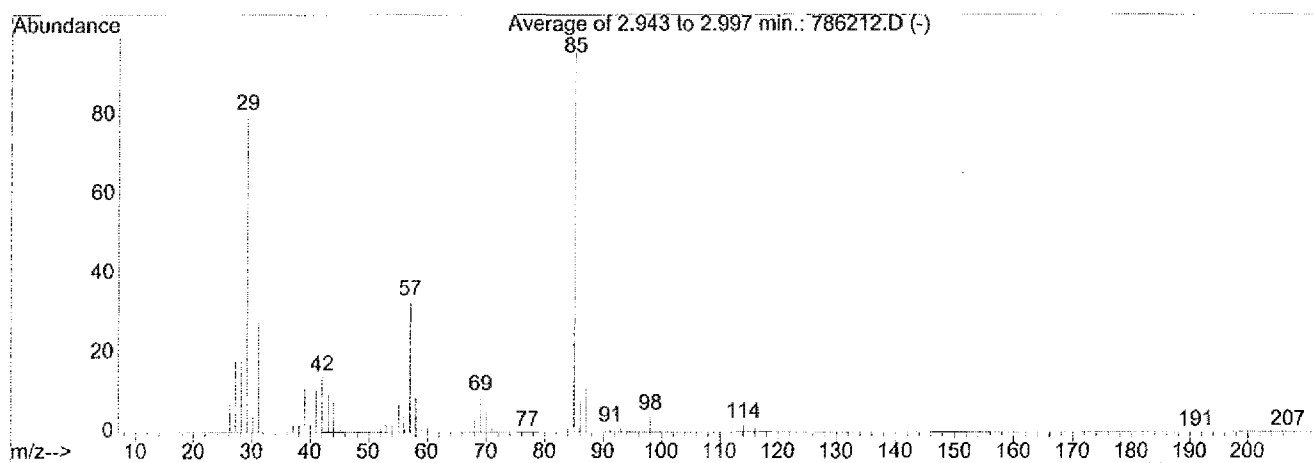
Area Percent / Library Search Report

Information from Data File:
```
File Name        : D:\SYSTEM4\05_05_11\786212.D
Operator         : DJR
Date Acquired    :  5 May 2011   14:49
Sample Name      : ██████████
Submitted by     : ASD
Vial Number      : 12
AcquisitionMeth: WSCREEN
Integrator       : RTE
```

Search Libraries: C:\DATABASE\SLI   Minimum Quality: 90
                    C:\DATABASE\PMW_TOX2.L   Minimum Quality: 90
                    C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual

---

    6   2.97   C:\DATABASE\NIST98.L
                 (S)-(+)-2',3'-Dideoxyribonolactone   032780-06-6   78
                 5-Oxotetrahydrofuran-2-carboxylic a   004344-84-7   64
                 2(3H)-Furanone, 5-acetyldihydro-   029393-32-6   64

Average of 2.943 to 2.997 min.: 786212.D (-)

#34063: (S)-(+)-2',3'-Dideoxyribonolactone

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Area Percent / Library Search Report

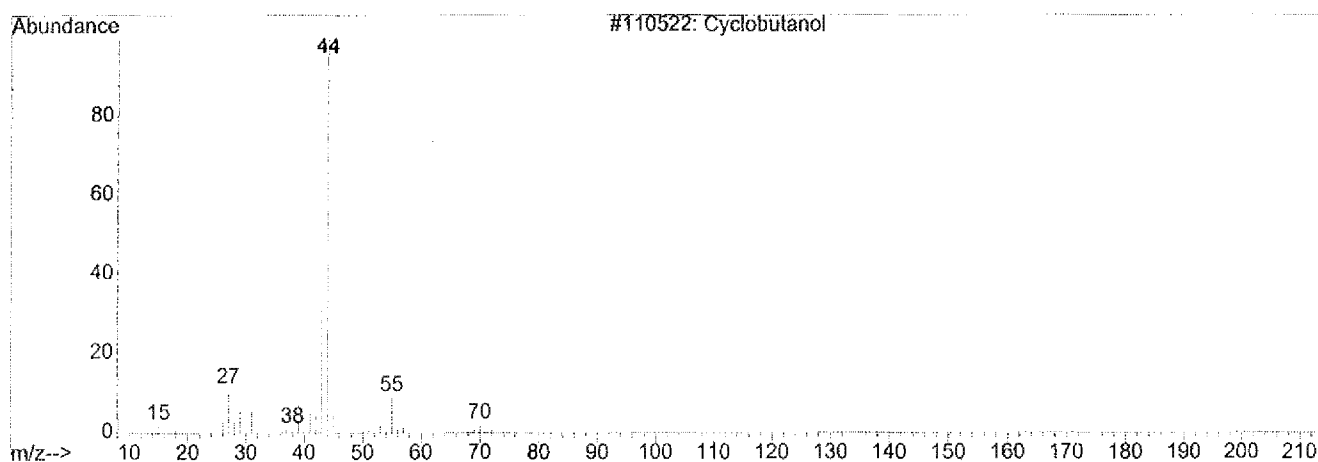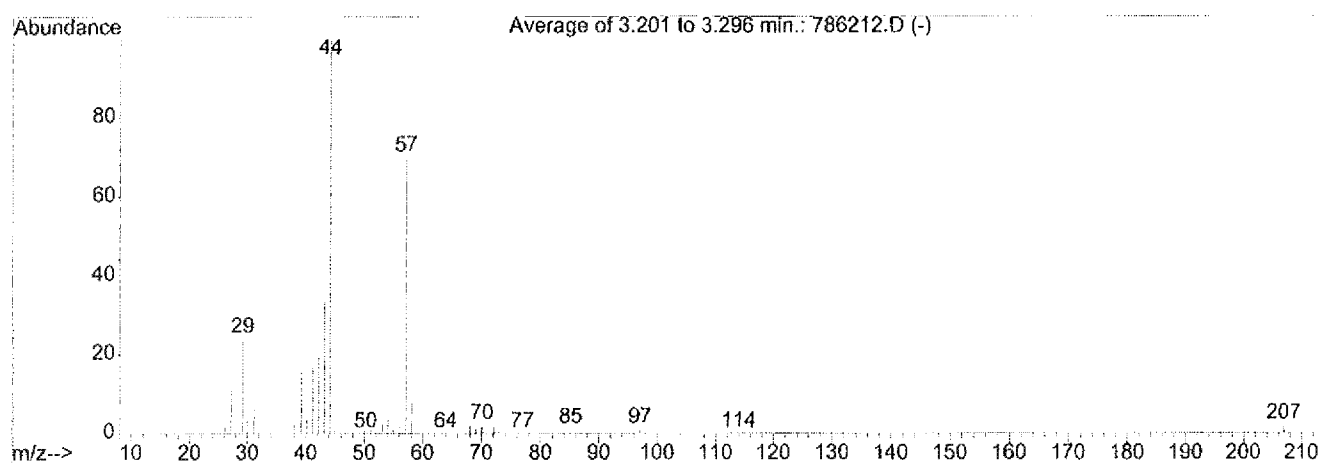Information from Data File:
File Name   : D:\SYSTEM4\05_05_11\786212.D
Operator   : DJR
Date Acquired   : 5 May 2011   14:49
Sample Name   : ███████████
Submitted by   : ASD
Vial Number   : 12
AcquisitionMeth: WSCREEN
Integrator   : RTE

Search Libraries: C:\DATABASE\SLI   Minimum Quality: 90
                   C:\DATABASE\PMW_TOX2.L   Minimum Quality: 90
                   C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
7	3.22	C:\DATABASE\NIST98.L		
		Cyclobutanol	002919-23-5	53
		2(3H)-Furanone, dihydro-4-hydroxy-	005469-16-9	40
		1-Propanol, 2-amino-	000078-91-1	39

Average of 3.201 to 3.296 min.: 786212.D (-)

#110522: Cyclobutanol

Area Percent / Library Search Report

Information from Data File:
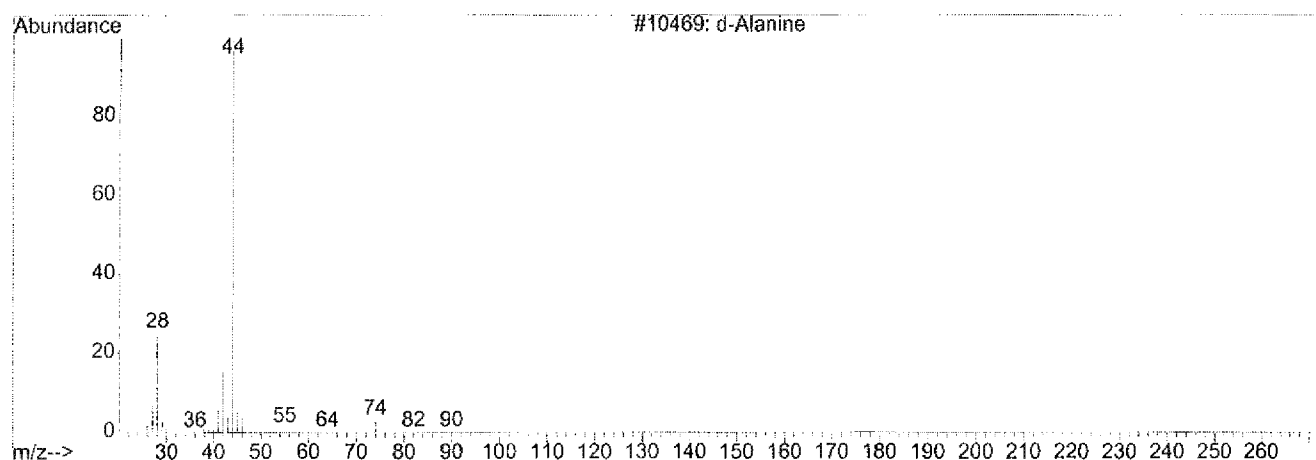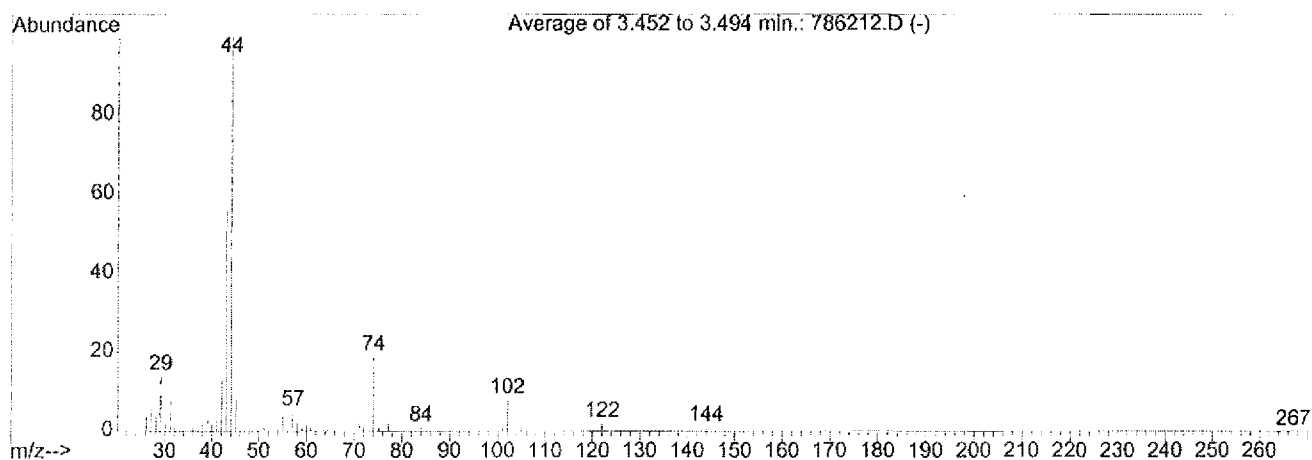```
File Name   : D:\SYSTEM4\05_05_11\786212.D
Operator   : DJR
Date Acquired   : 5 May 2011 14:49
Sample Name   : ███████████
Submitted by   : ASD
Vial Number   : 12
AcquisitionMeth: WSCREEN
Integrator   : RTE
```

Search Libraries:   C:\DATABASE\SLI             Minimum Quality: 90
                    C:\DATABASE\PMW_TOX2.L       Minimum Quality: 90
                    C:\DATABASE\NIST98.L

| PK# | RT | Library/ID | CAS# | Qual |
|---|---|---|---|---|
| 8 | 3.48 | C:\DATABASE\NIST98.L | | |
| | | d-Alanine | 000338-69-2 | 56 |
| | | O-Methylisourea | 1000130-40-4 | 43 |
| | | 2-Methylaminomethyl-1,3-dioxolane | 057366-77-5 | 39 |

Abundance — Average of 3.452 to 3.494 min.: 786212.D (-)

m/z values: 29, 44, 57, 74, 84, 102, 122, 144, 267

Abundance — #10469: d-Alanine

m/z values: 28, 36, 44, 55, 64, 74, 82, 90

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Information from Data File:
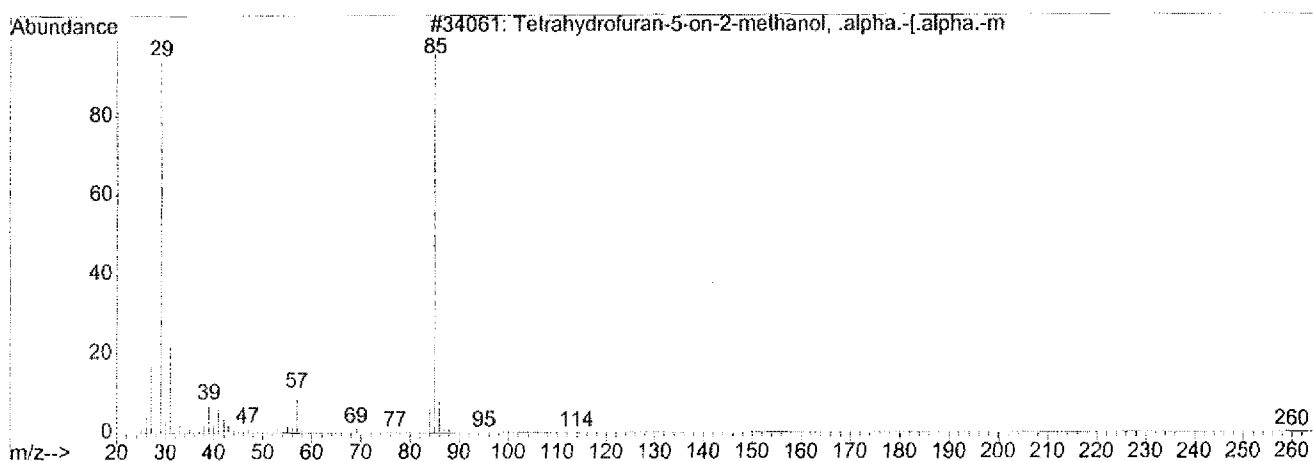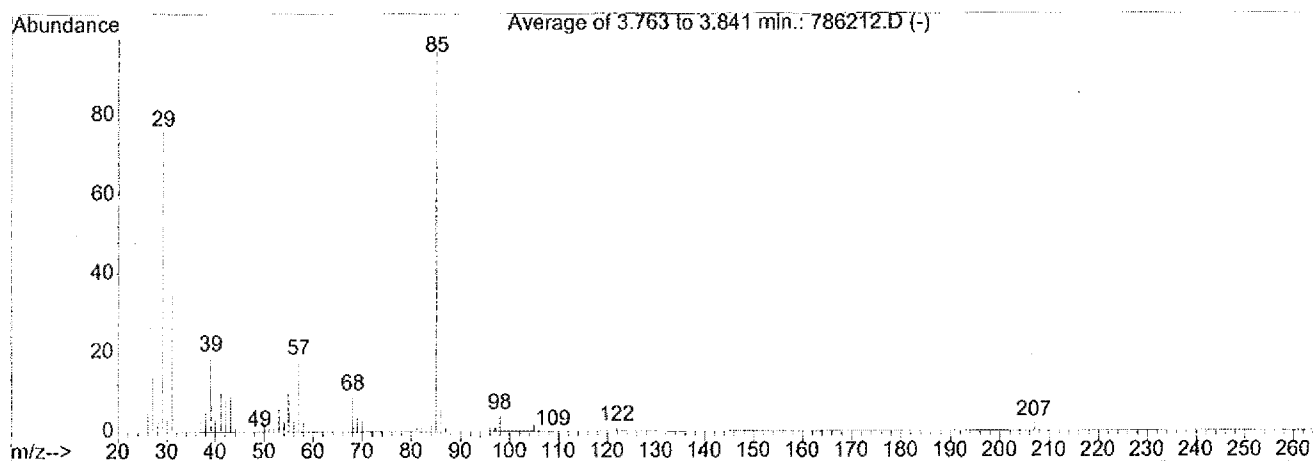```
File Name        : D:\SYSTEM4\05_05_11\786212.D
Operator         : DJR
Date Acquired    :  5 May 2011  14:49
Sample Name      : ██████████
Submitted by     : ASD
Vial Number      : 12
AcquisitionMeth: WSCREEN
Integrator       : RTE
```

Search Libraries: C:\DATABASE\SLI   Minimum Quality: 90
                    C:\DATABASE\PMW_TOX2.L   Minimum Quality: 90
                    C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
9	3.78	C:\DATABASE\NIST98.L		
		Tetrahydrofuran-5-on-2-methanol, .a	1000192-28-3	78
		4-Methoxycarbonyl-4-butanolide	003885-29-8	72
		Butanal, 3,3-dimethyl-2-oxo-, hemih	077572-68-0	56

Folk_OIG_PRR_027585

Information from Data File:
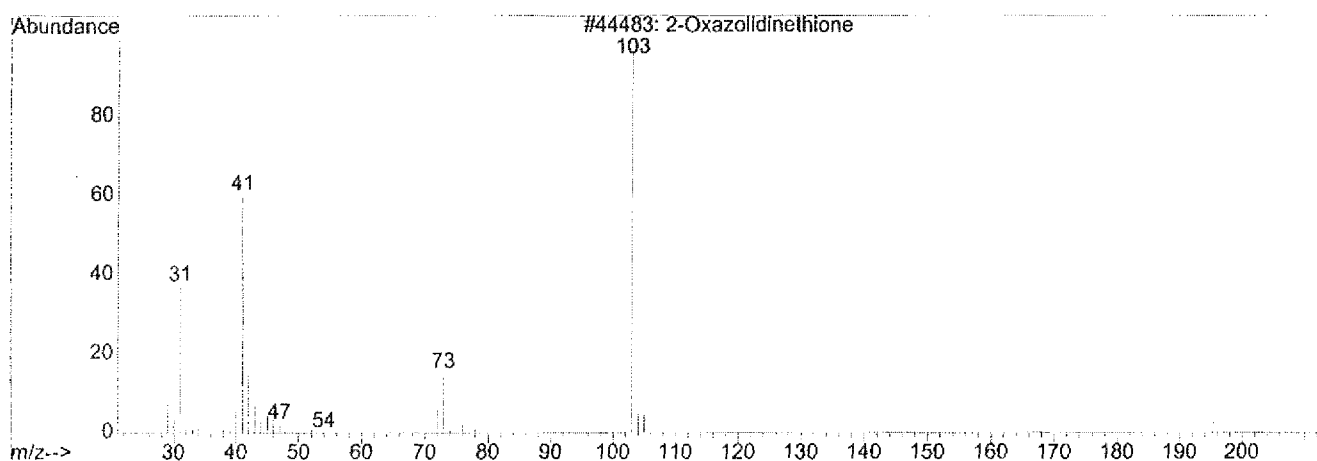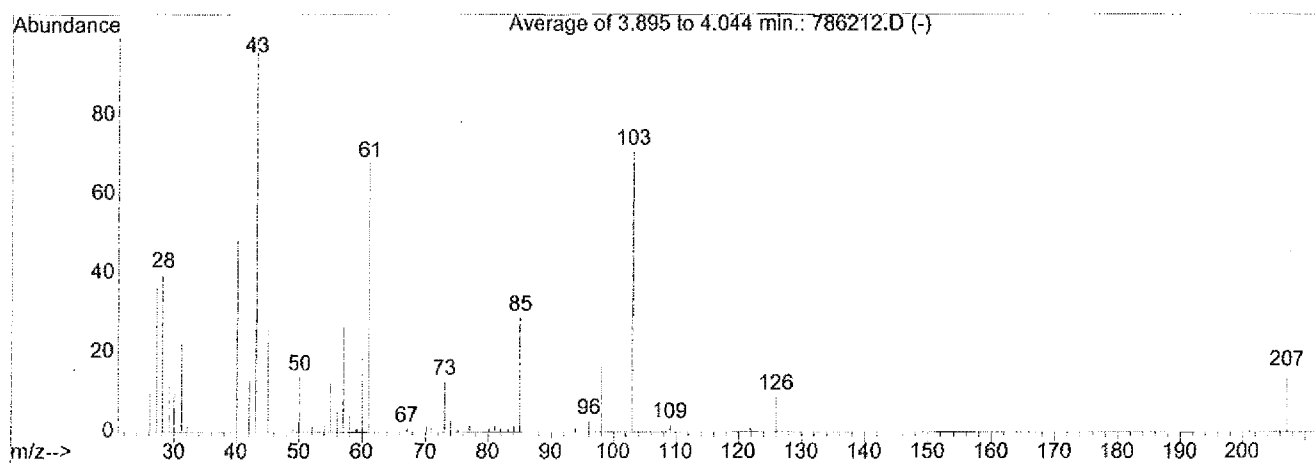File Name   : D:\SYSTEM4\05_05_11\786212.D
Operator   : DJR
Date Acquired   : 5 May 2011 14:49
Sample Name   : █████████
Submitted by   : ASD
Vial Number   : 12
AcquisitionMeth: WSCREEN
Integrator   : RTE

Search Libraries: C:\DATABASE\SLI   Minimum Quality: 90
                    C:\DATABASE\PMW_TOX2.L   Minimum Quality: 90
                    C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
10	3.95	C:\DATABASE\NIST98.L		
		2-Oxazolidinethione	005840-81-3	16
		1-Pentanol, 2-ethyl-	027522-11-8	9
		Pentanoic acid, 1-methylethyl ester	018362-97-5	9

Average of 3.895 to 4.044 min.: 786212.D (-)

#44483: 2-Oxazolidinethione

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Area Percent / Library Search Report

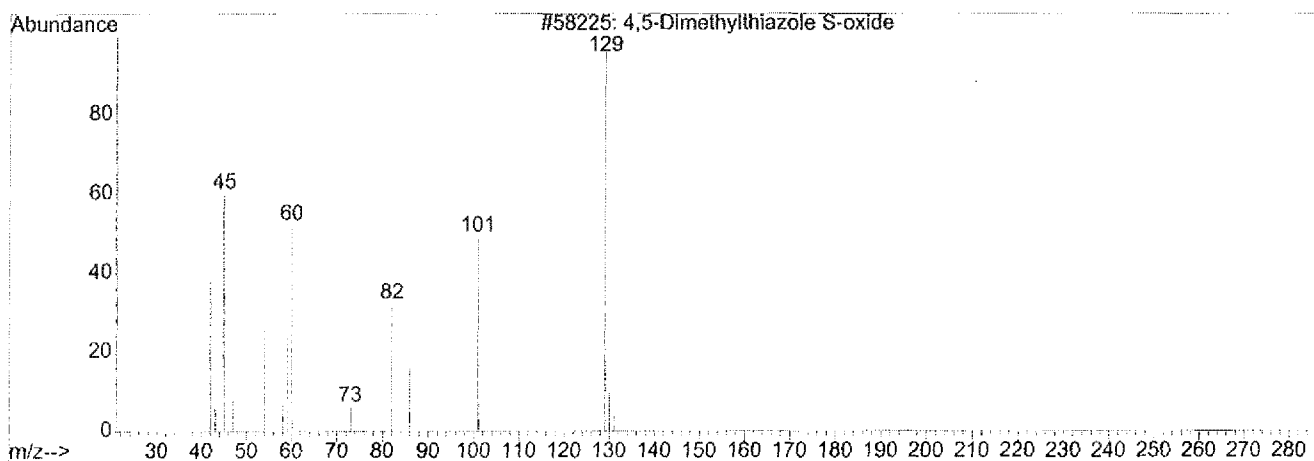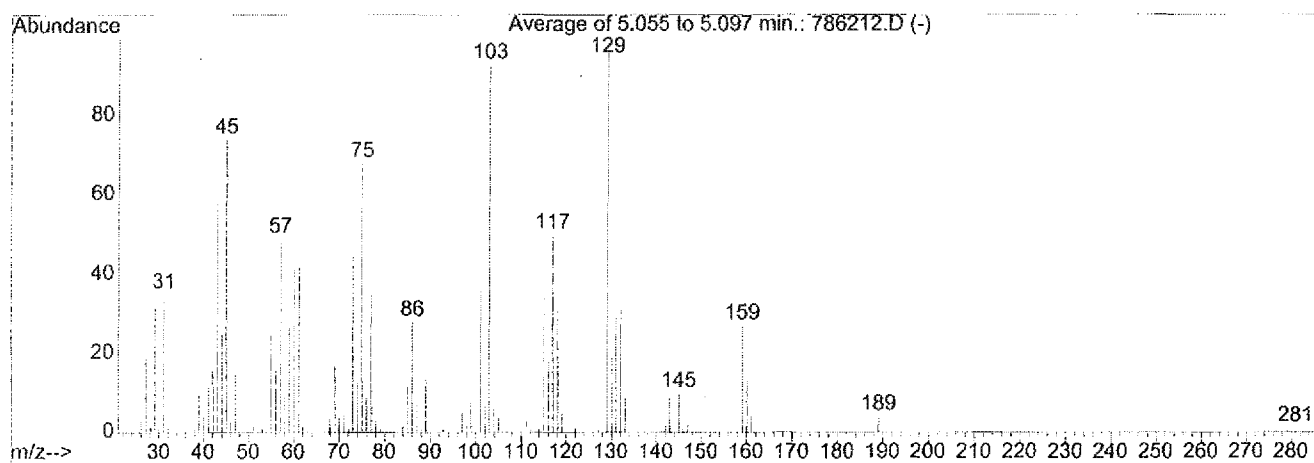Information from Data File:
```
File Name        : D:\SYSTEM4\05_05_11\786212.D
Operator         : DJR
Date Acquired    : 5 May 2011   14:49
Sample Name      : ███████████
Submitted by     : ASD
Vial Number      : 12
AcquisitionMeth: WSCREEN
Integrator       : RTE
```

Search Libraries: C:\DATABASE\SLI   Minimum Quality: 90
                    C:\DATABASE\PMW_TOX2.L   Minimum Quality: 90
                    C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
11	5.08	C:\DATABASE\NIST98.L		
		4,5-Dimethylthiazole S-oxide	1000112-53-4	22
		3-Thio-1,2,4-triazin-3,5(2H,4H)-dio	1000213-20-1	14
		2-Hydroxyethyl vinyl sulfide	1000226-82-9	14

Average of 5.055 to 5.097 min.: 786212.D (-)

#58225: 4,5-Dimethylthiazole S-oxide

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Area Percent / Library Search Report

Information from Data File:
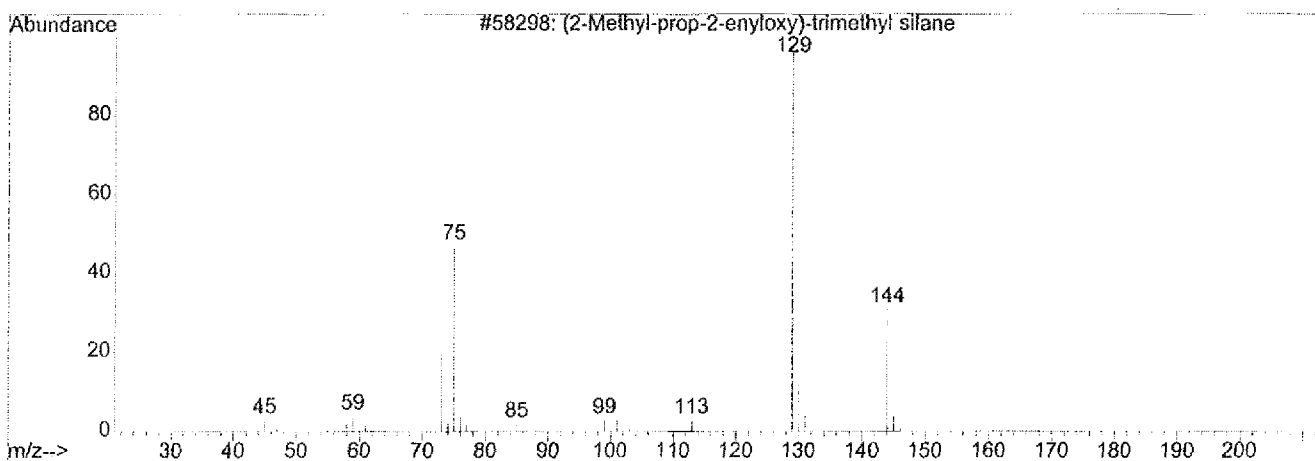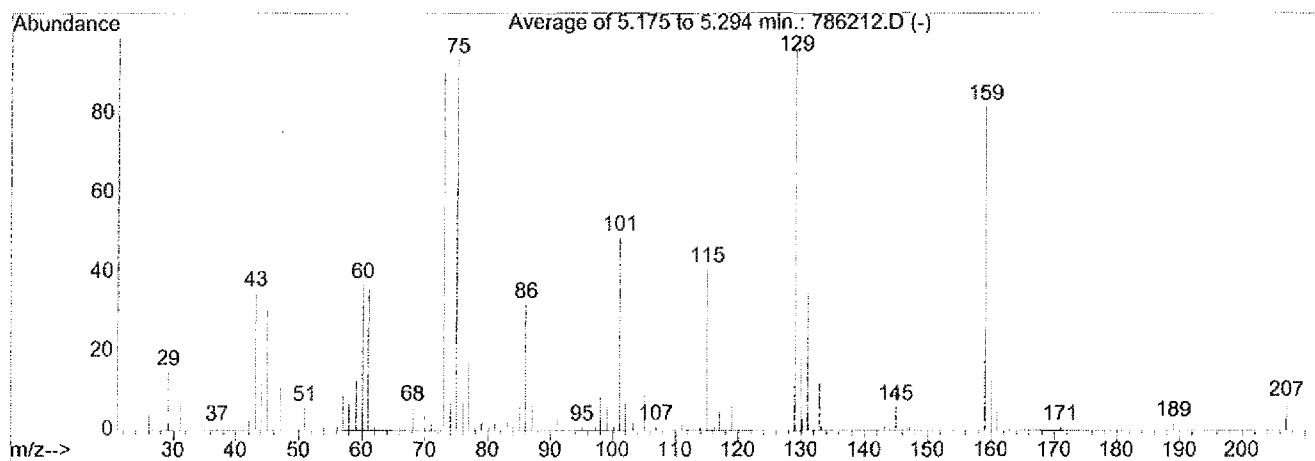```
File Name   : D:\SYSTEM4\05_05_11\786212.D
Operator   : DJR
Date Acquired   : 5 May 2011   14:49
Sample Name   : ██████████
Submitted by   : ASD
Vial Number   : 12
AcquisitionMeth: WSCREEN
Integrator   : RTE
```

Search Libraries:    C:\DATABASE\SLI              Minimum Quality: 90
                     C:\DATABASE\PMW_TOX2.L       Minimum Quality: 90
                     C:\DATABASE\NIST98.L

| PK# | RT | Library/ID | CAS# | Qual |
|---|---|---|---|---|
| 12 | 5.21 | C:\DATABASE\NIST98.L | | |
| | | (2-Methyl-prop-2-enyloxy)-trimethyl | 1000146-04-0 | 35 |
| | | n-Pentanoic acid, allyldimethylsily | 1000245-32-7 | 27 |
| | | (2-Methyl-but-3-enyl-2-oxy)-dimethy | 1000144-35-9 | 27 |



Average of 5.175 to 5.294 min.: 786212.D (-)



#58298: (2-Methyl-prop-2-enyloxy)-trimethyl silane

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# Area Percent / Library Search Report

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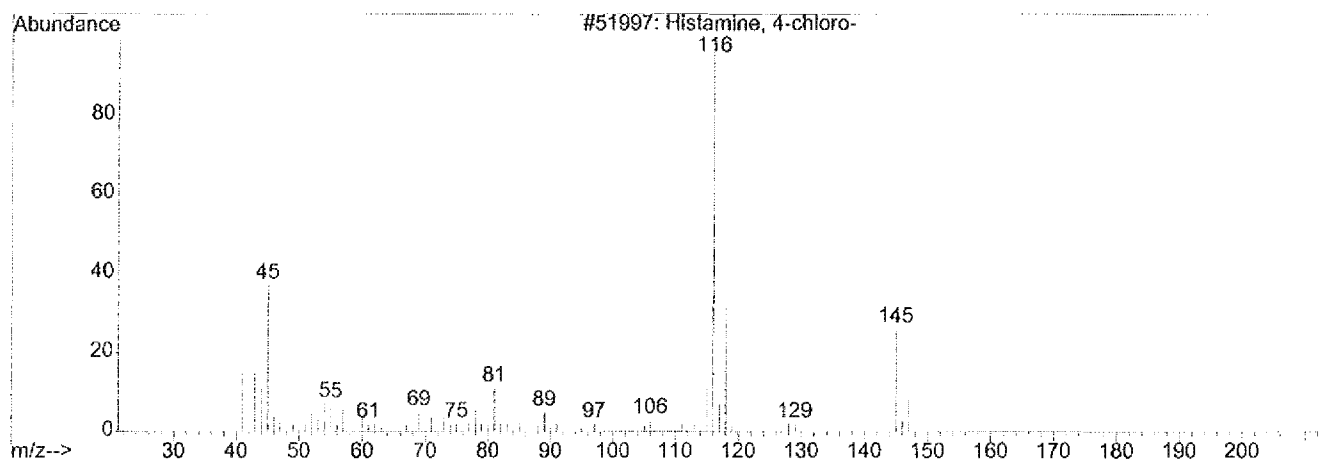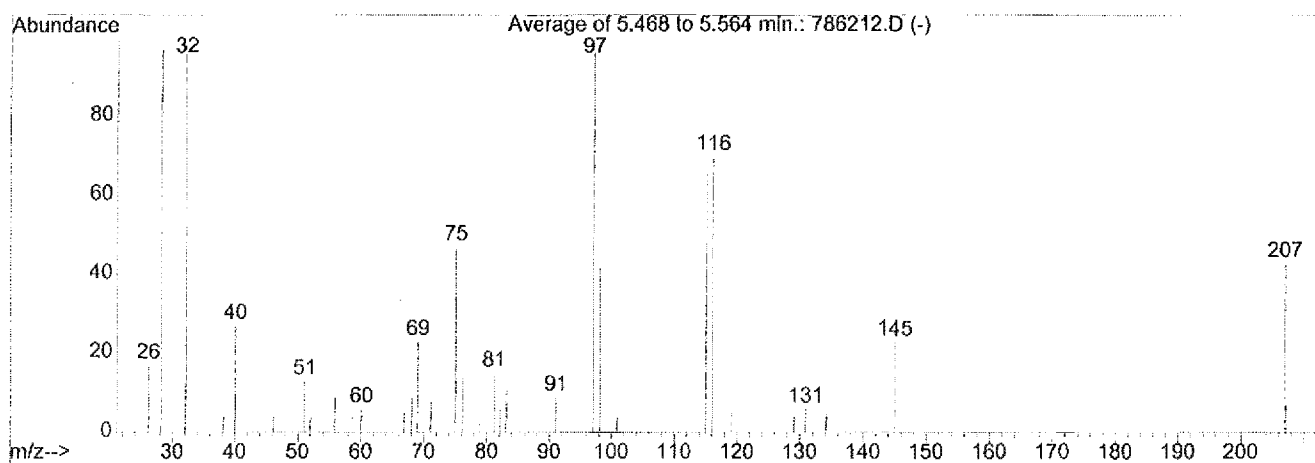Information from Data File:
```
File Name   : D:\SYSTEM4\05_05_11\786212.D
Operator   : DJR
Date Acquired   : 5 May 2011 14:49
Sample Name   : ███████
Submitted by   : ASD
Vial Number   : 12
AcquisitionMeth : WSCREEN
Integrator   : RTE
```

---

Search Libraries:   C:\DATABASE\SLI              Minimum Quality: 90
                    C:\DATABASE\PMW_TOX2.L        Minimum Quality: 90
                    C:\DATABASE\NIST98.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|-----|-----------|------|------|
| 13 | 5.49 | C:\DATABASE\NIST98.L | | |
| | | Histamine, 4-chloro- | 099221-76-8 | 10 |
| | | Pyridine, 2-fluoro- | 000372-48-5 | 10 |
| | | 3-Fluoropyridine | 000372-47-4 | 9 |



Average of 5.468 to 5.564 min.: 786212.D (-)



#51997: Histamine, 4-chloro-

# Area Percent / Library Search Report
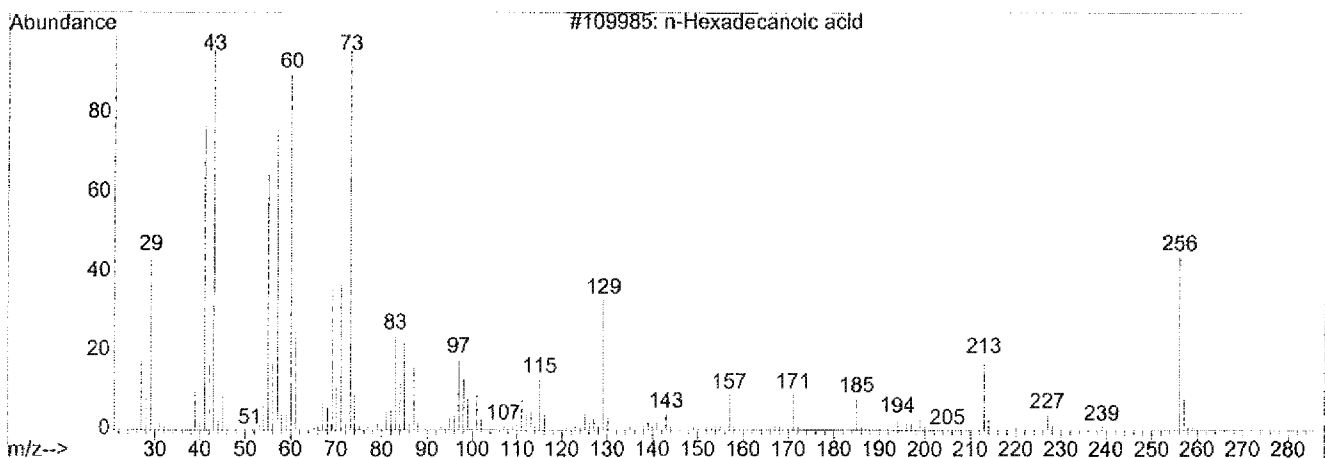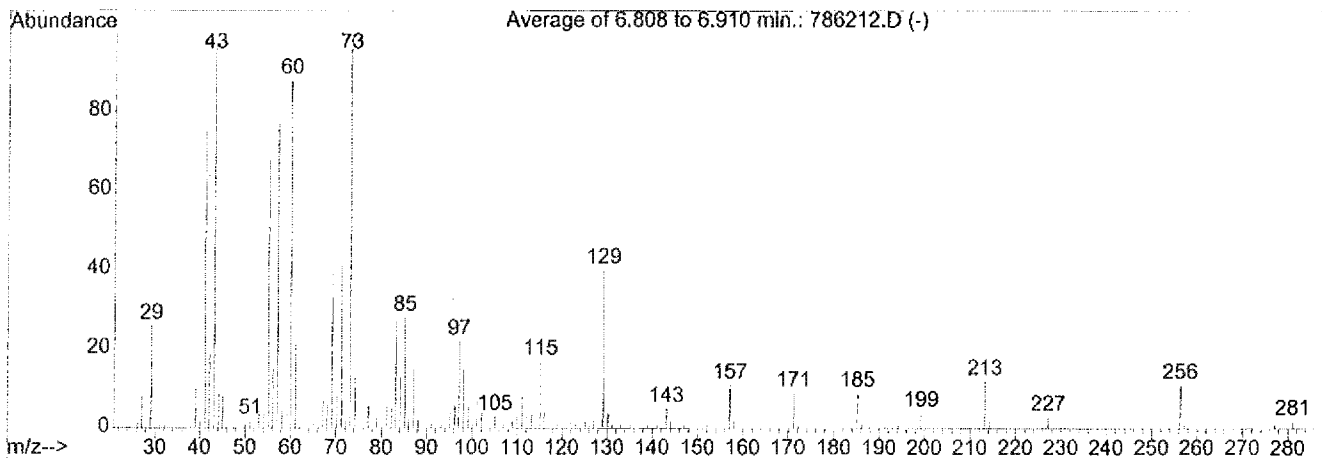
Information from Data File:
```
File Name   : D:\SYSTEM4\05_05_11\786212.D
Operator   : DJR
Date Acquired   : 5 May 2011 14:49
Sample Name   : ████████
Submitted by   : ASD
Vial Number   : 12
AcquisitionMeth : WSCREEN
Integrator   : RTE
```

Search Libraries:    C:\DATABASE\SLI              Minimum Quality: 90
                     C:\DATABASE\PMW_TOX2.L       Minimum Quality: 90
                     C:\DATABASE\NIST98.L

| PK# | RT | Library/ID | CAS# | Qual |
|---|---|---|---|---|
| 14 | 6.83 | C:\DATABASE\NIST98.L | | |
| | | n-Hexadecanoic acid | 000057-10-3 | 99 |
| | | n-Hexadecanoic acid | 000057-10-3 | 93 |
| | | n-Hexadecanoic acid | 000057-10-3 | 93 |



Average of 6.808 to 6.910 min.: 786212.D (-)



#109985: n-Hexadecanoic acid

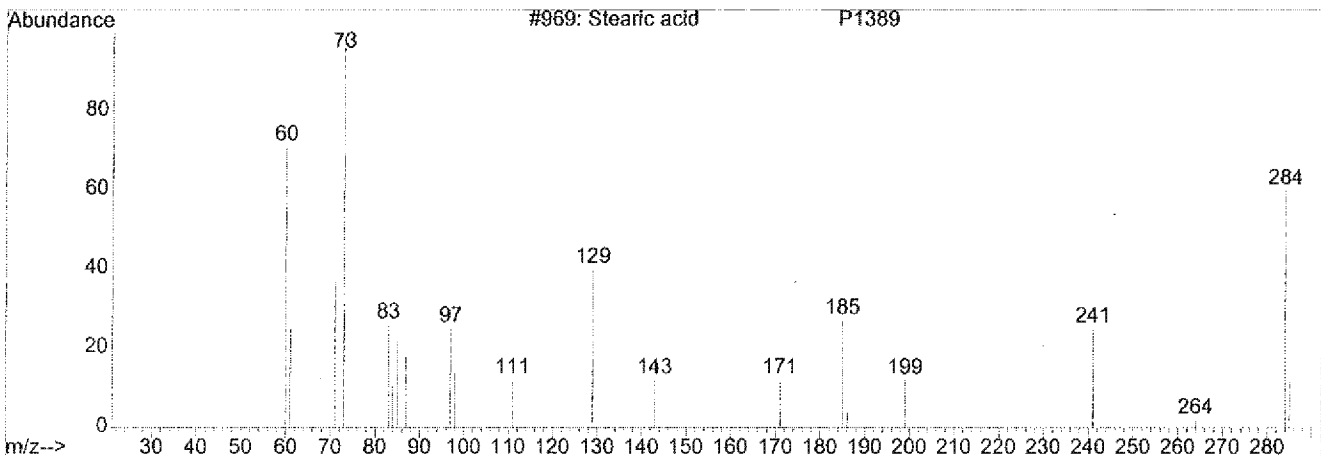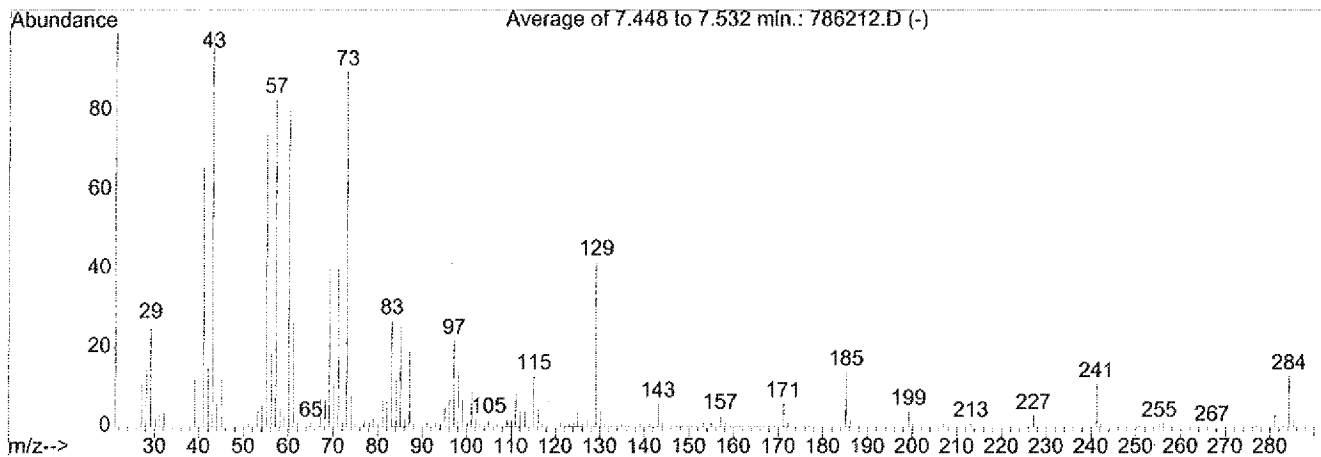786212.D          Tue Nov 15 10:12:48 2011          Page 15

# Area Percent / Library Search Report

Information from Data File:
```
File Name   : D:\SYSTEM4\05_05_11\786212.D
Operator   : DJR
Date Acquired : 5 May 2011   14:49
Sample Name   : ███████████
Submitted by   : ASD
Vial Number   : 12
AcquisitionMeth: WSCREEN
Integrator   : RTE
```

Search Libraries:    C:\DATABASE\SLI              Minimum Quality: 90
                     C:\DATABASE\PMW_TOX2.L       Minimum Quality: 90
                     C:\DATABASE\NIST98.L

| PK# | RT | Library/ID | CAS# | Qual |
|---|---|---|---|---|
| 15 | 7.47 | C:\DATABASE\PMW_TOX2.L | | |
| | | Stearic acid | 000057-11-4 | 91 |
| | | Myristic acid | 000544-63-8 | 80 |
| | | Tridecane | 000629-50-5 | 10 |





786212.D            Tue Nov 15 10:12:49 2011          Page 16

# Area Percent / Library Search Report

```
Information from Data File:
File Name   : D:\SYSTEM4\05_05_11\786212.D
Operator   : DJR
Date Acquired : 5 May 2011 14:49
Sample Name   : ██████████
Submitted by   : ASD
Vial Number   : 12
AcquisitionMeth: WSCREEN
Integrator   : RTE
```
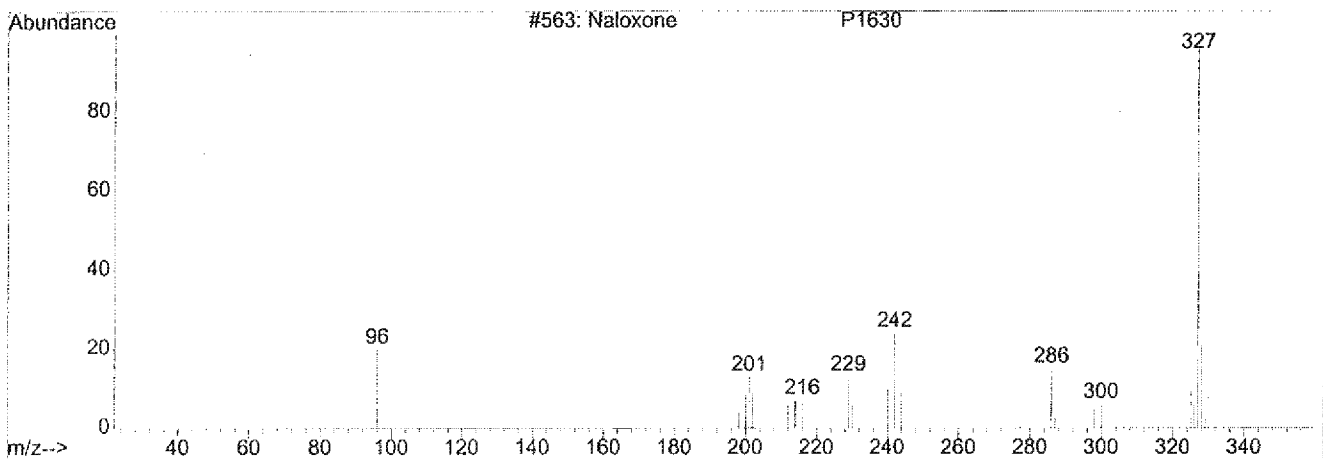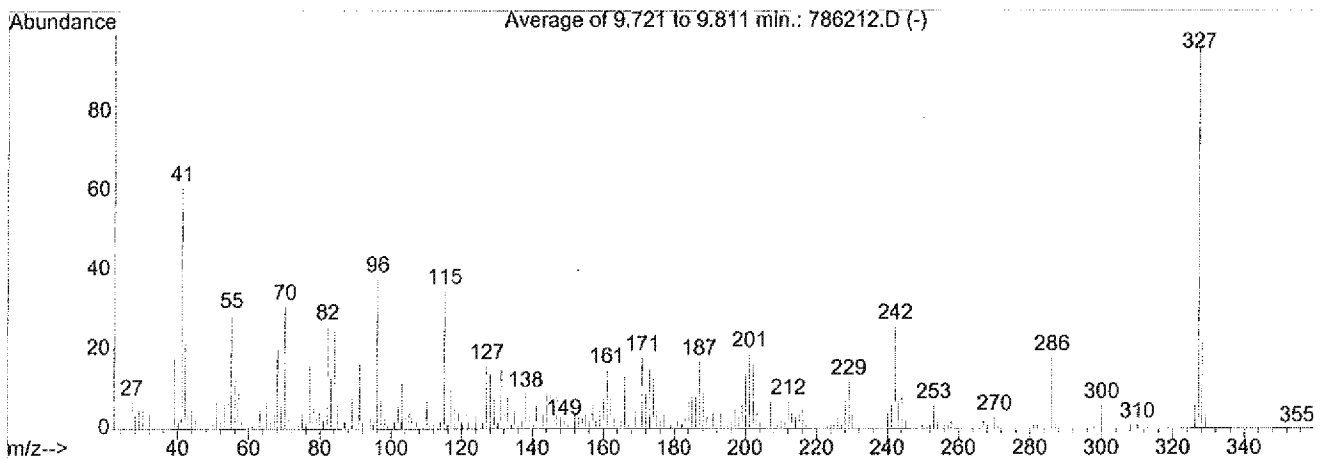
| | | | |
|---|---|---|---|
| Search Libraries: | C:\DATABASE\SLI | Minimum Quality: 90 | |
| | C:\DATABASE\PMW_TOX2.L | Minimum Quality: 90 | |
| | C:\DATABASE\NIST98.L | | |

| PK# | RT | Library/ID | CAS# | Qual |
|---|---|---|---|---|
| 16 | 9.76 | C:\DATABASE\PMW_TOX2.L | | |
| | | Naloxone | 000465-65-6 | 90 |
| | | Naloxone enol 3AC | 000000-00-0 | 38 |
| | | Cannabidivarol 2AC | 000000-00-0 | 9 |



Average of 9.721 to 9.811 min.: 786212.D (-)



#563: Naloxone          P1630

786212.D          Tue Nov 15 10:12:49 2011          Page 17

# Area Percent / Library Search Report

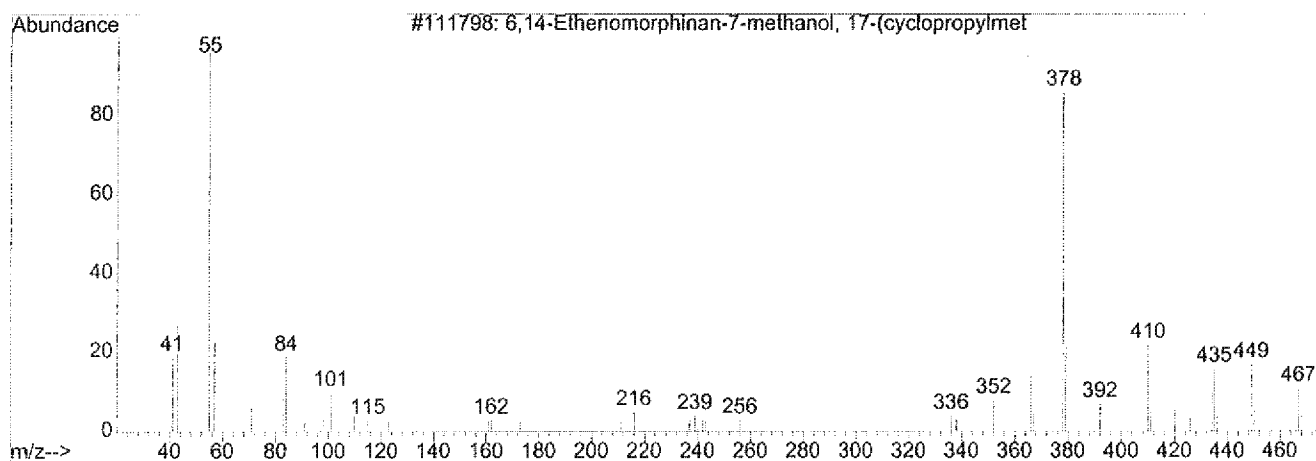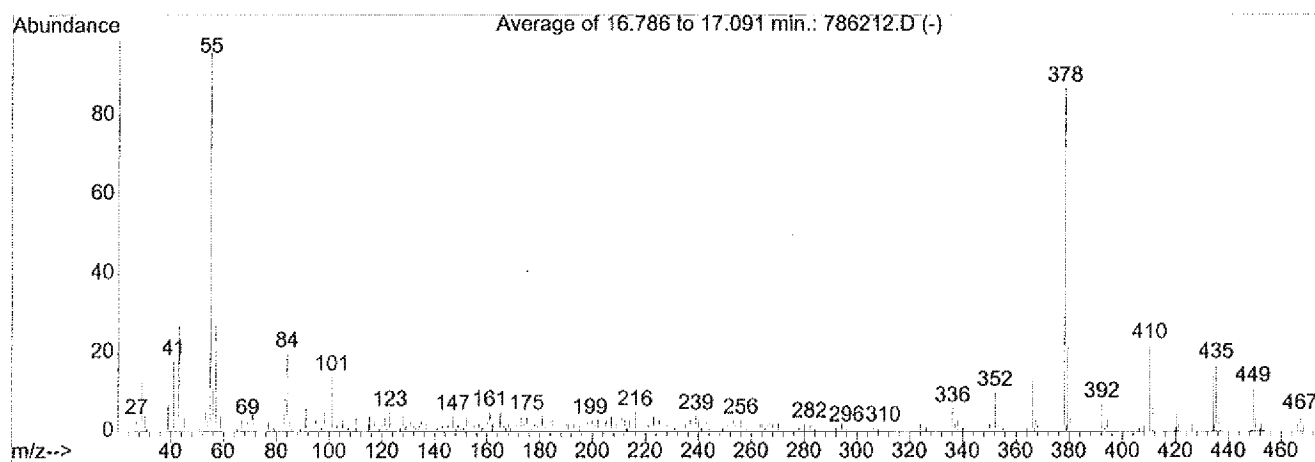Information from Data File:
```
File Name   : D:\SYSTEM4\05_05_11\786212.D
Operator   : DJR
Date Acquired   : 5 May 2011 14:49
Sample Name   : ███████████
Submitted by   : ASD
Vial Number   : 12
AcquisitionMeth : WSCREEN
Integrator   : RTE
```

| Search Libraries: | C:\DATABASE\SLI | Minimum Quality: 90 |
|---|---|---|
| | C:\DATABASE\PMW_TOX2.L | Minimum Quality: 90 |
| | C:\DATABASE\NIST98.L | |

| PK# | RT | Library/ID | CAS# | Qual |
|---|---|---|---|---|
| 17 | 16.94 | C:\DATABASE\NIST98.L | | |
| | | 6,14-Ethenomorphinan-7-methanol, 17 | 052485-79-7 | 95 |
| | | 6,14-Ethenomorphinan-7-methanol, 17 | 052485-79-7 | 91 |
| | | Anthiaergosta-5,7,9,22-tetraene | 1000213-42-2 | 49 |

Average of 16.786 to 17.091 min.: 786212.D (-)

#111798: 6,14-Ethenomorphinan-7-methanol, 17-(cyclopropylmet

786212.D          Tue Nov 15 10:12:50 2011          Page 18
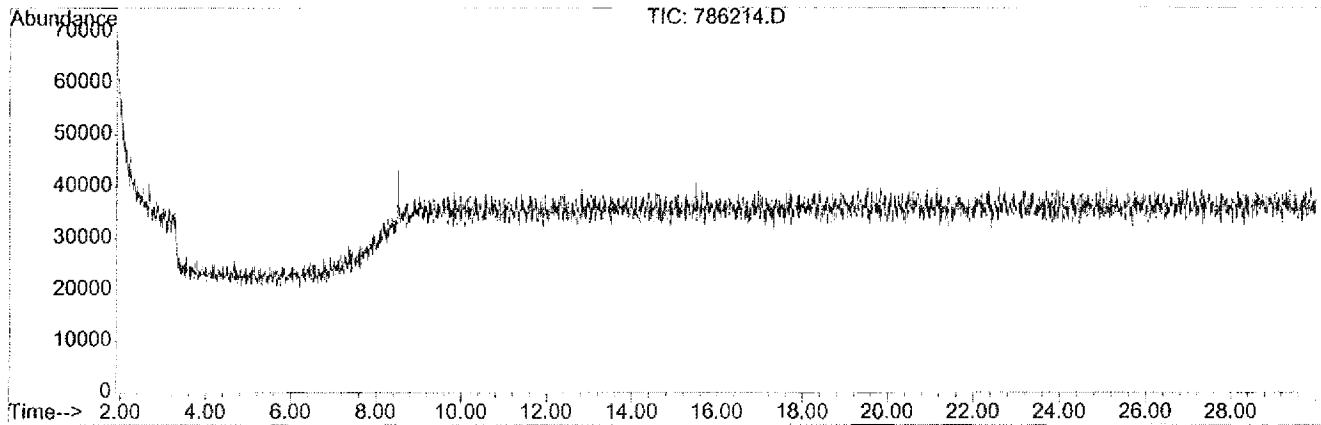
# Area Percent / Library Search Report

Information from Data File:
File Name      : D:\SYSTEM4\05_05_11\786214.D
Operator       : DJR
Date Acquired  :  5 May 2011  15:57
Sample Name    : BLANK
Submitted by   : ASD
Vial Number    :   1
AcquisitionMeth: WSCREEN
Integrator     : RTE



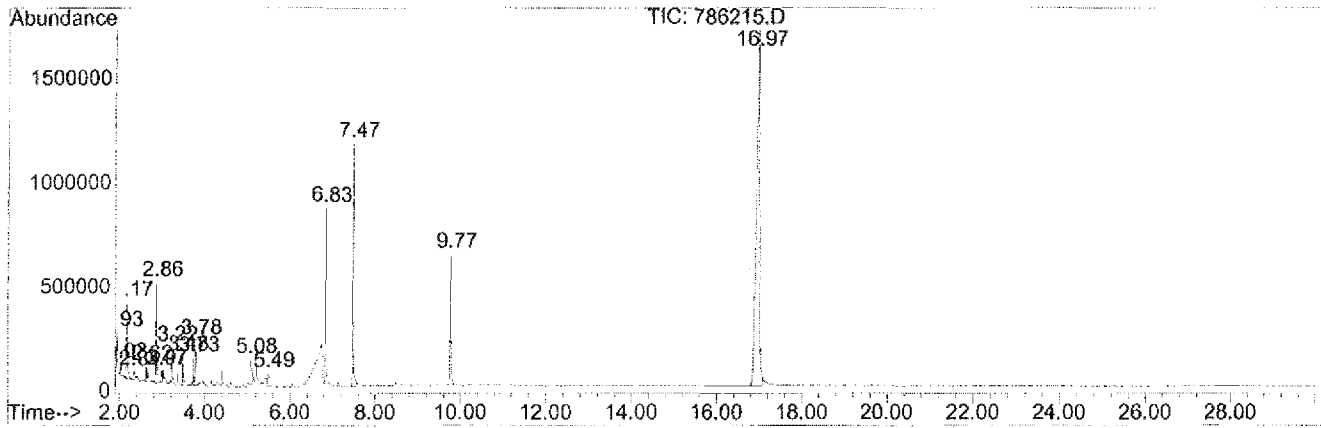| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|

***NO INTEGRATED PEAKS***

# Area Percent / Library Search Report

Information from Data File:
File Name      : D:\SYSTEM4\05_05_11\786215.D
Operator       : DJR
Date Acquired  : 5 May 2011   16:31
Sample Name    : ▮▮▮▮▮▮▮
Submitted by   : ASD
Vial Number    : 15
AcquisitionMeth: WSCREEN
Integrator     : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
| 1.935  | 353895  | 2.28  | 3.97   |
| 2.030  | 108766  | 0.70  | 1.22   |
| 2.168  | 678867  | 4.38  | 7.61   |
| 2.335  | 126718  | 0.82  | 1.42   |
| 2.617  | 109961  | 0.71  | 1.23   |
| 2.856  | 683892  | 4.41  | 7.67   |
| 2.970  | 106795  | 0.69  | 1.20   |
| 3.221  | 221643  | 1.43  | 2.49   |
| 3.478  | 155737  | 1.00  | 1.75   |
| 3.729  | 135156  | 0.87  | 1.52   |
| 3.783  | 258790  | 1.67  | 2.90   |
| 5.075  | 280334  | 1.81  | 3.14   |
| 5.488  | 159851  | 1.03  | 1.79   |
| 6.828  | 947368  | 6.11  | 10.62  |
| 7.474  | 1228147 | 7.92  | 13.77  |
| 9.765  | 1025962 | 6.62  | 11.51  |
| 16.968 | 8917157 | 57.53 | 100.00 |

# Area Percent / Library Search Report

Information from Data File:
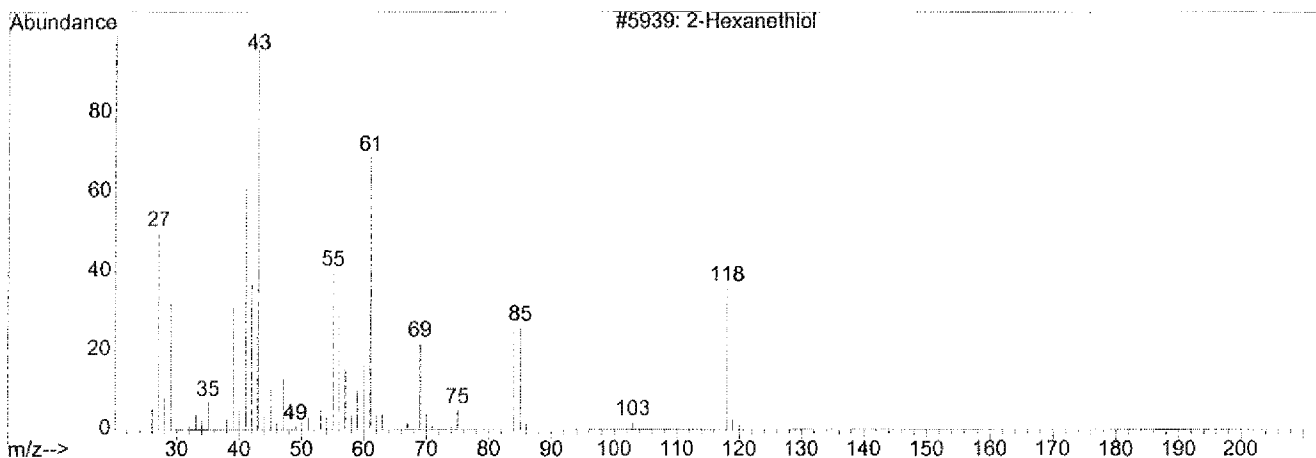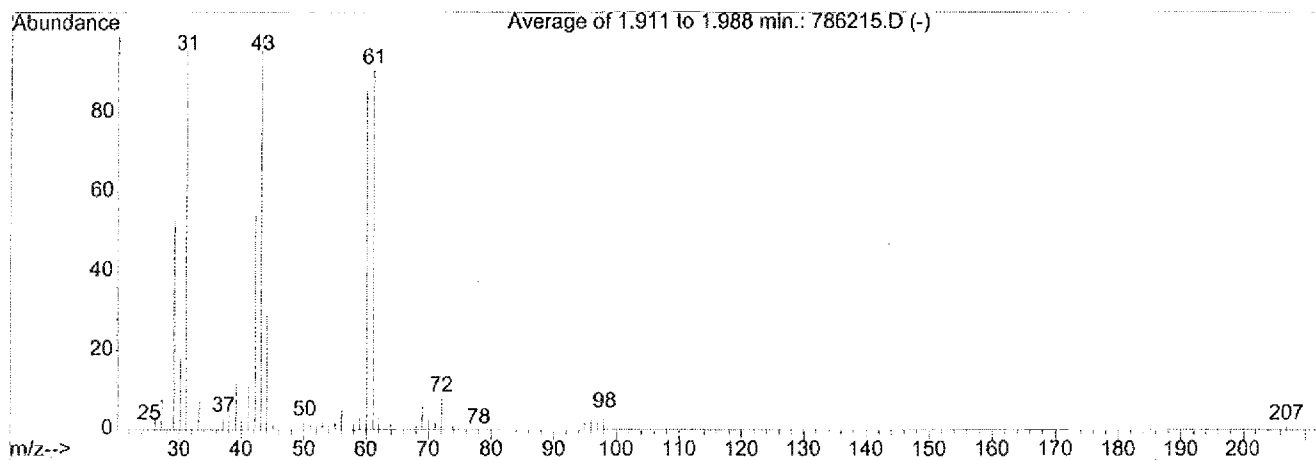File Name      : D:\SYSTEM4\05_05_11\786215.D
Operator       : DJR
Date Acquired  : 5 May 2011   16:31
Sample Name    : ███████████
Submitted by   : ASD
Vial Number    : 15
AcquisitionMeth: WSCREEN
Integrator     : RTE

Search Libraries:   C:\DATABASE\SLI                 Minimum Quality: 90
                    C:\DATABASE\PMW_TOX2.L           Minimum Quality: 90
                    C:\DATABASE\NIST98.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|-----|-----------|------|------|
| 1 | 1.93 | C:\DATABASE\NIST98.L | | |
| | | 2-Hexanethiol | 001679-06-7 | 17 |
| | | Carbonic dihydrazide | 000497-18-7 | 12 |
| | | Propanedioic acid | 000141-82-2 | 10 |

Abundance — Average of 1.911 to 1.988 min.: 786215.D (-)

Abundance — #5939: 2-Hexanethiol

786215.D              Tue Nov 15 10:13:03 2011              Page   2

# Area Percent / Library Search Report

Information from Data File:
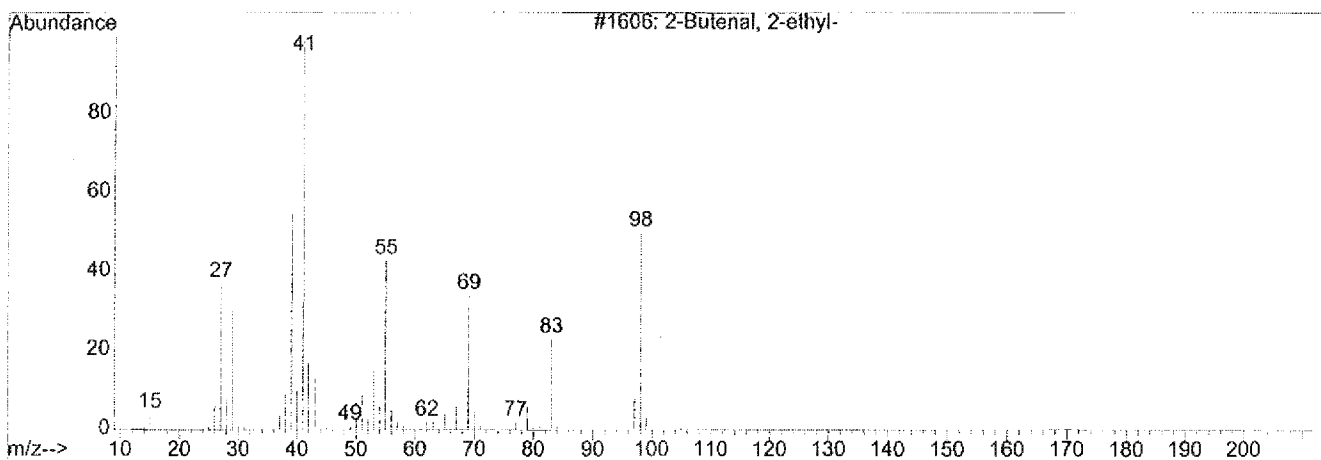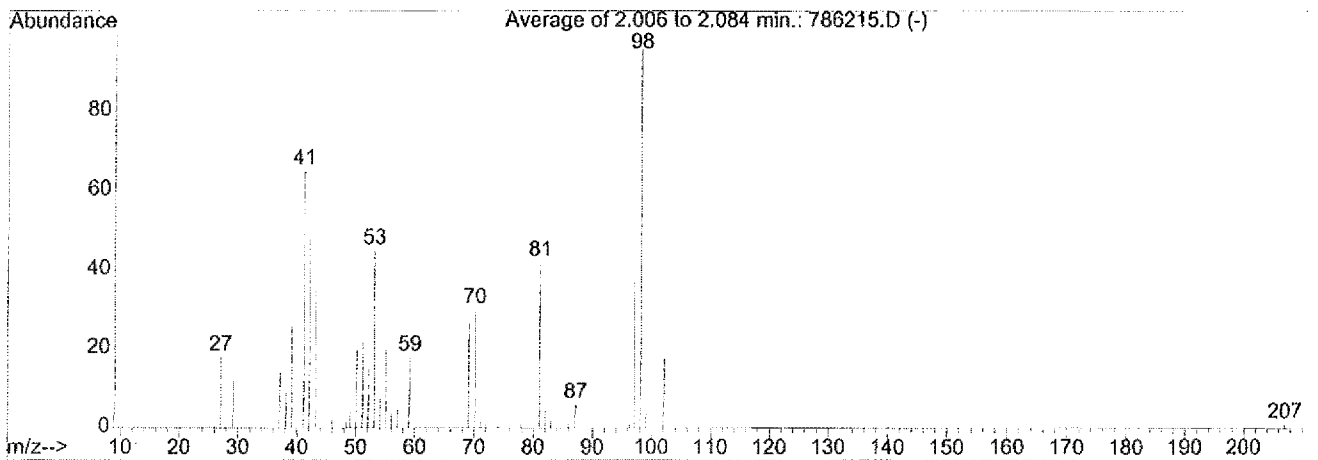```
File Name        : D:\SYSTEM4\05_05_11\786215.D
Operator         : DJR
Date Acquired    : 5 May 2011  16:31
Sample Name      : ███████████
Submitted by     : ASD
Vial Number      : 15
AcquisitionMeth: WSCREEN
Integrator       : RTE
```

Search Libraries: C:\DATABASE\SLI   Minimum Quality: 90
                    C:\DATABASE\PMW_TOX2.L   Minimum Quality: 90
                    C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
2	2.03	C:\DATABASE\NIST98.L		
		2-Butenal, 2-ethyl-	019780-25-7	59
		3-Furanmethanol	004412-91-3	59
		2-Furanmethanol	000098-00-0	50

Average of 2.006 to 2.084 min.: 786215.D (-)

#1606: 2-Butenal, 2-ethyl-

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Area Percent / Library Search Report

Information from Data File:
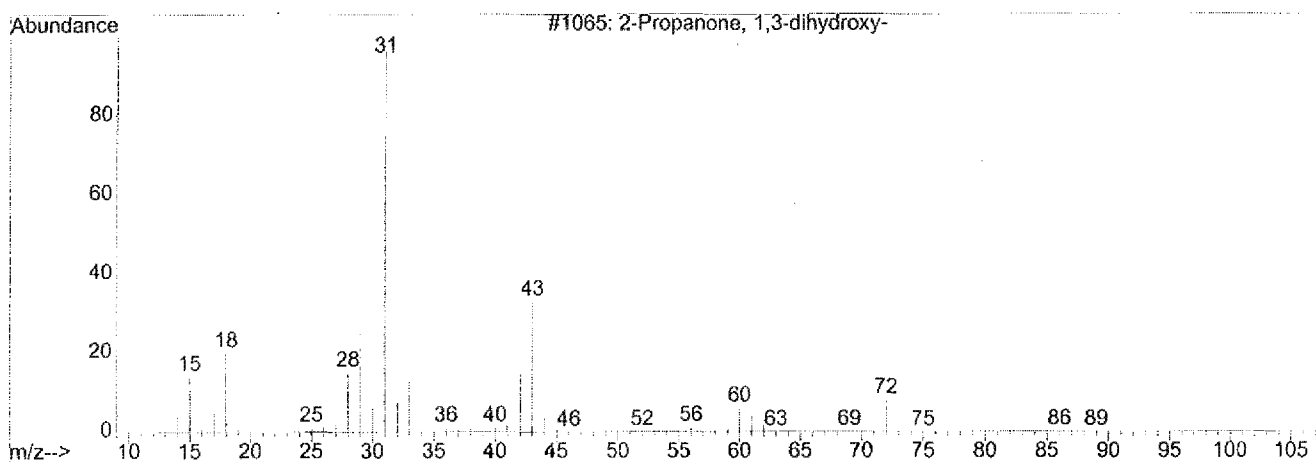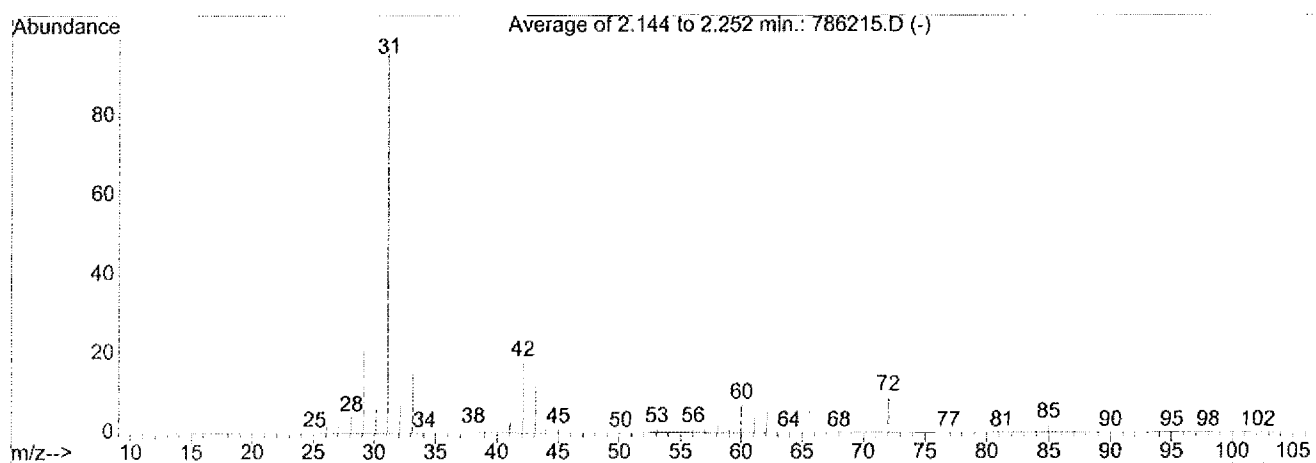```
File Name   : D:\SYSTEM4\05_05_11\786215.D
Operator   : DJR
Date Acquired   : 5 May 2011 16:31
Sample Name   : ███████████
Submitted by   : ASD
Vial Number   : 15
AcquisitionMeth: WSCREEN
Integrator   : RTE
```

| Search Libraries: | C:\DATABASE\SLI | Minimum Quality: 90 |
| | C:\DATABASE\PMW_TOX2.L | Minimum Quality: 90 |
| | C:\DATABASE\NIST98.L | |

| PK# | RT | Library/ID | CAS# | Qual |
|---|---|---|---|---|
| 3 | 2.17 | C:\DATABASE\NIST98.L | | |
| | | 2-Propanone, 1,3-dihydroxy- | 000096-26-4 | 78 |
| | | Acetaldehyde, hydroxy- | 000141-46-8 | 42 |
| | | 1,5-Pentanediol | 000111-29-5 | 36 |



Average of 2.144 to 2.252 min.: 786215.D (-)
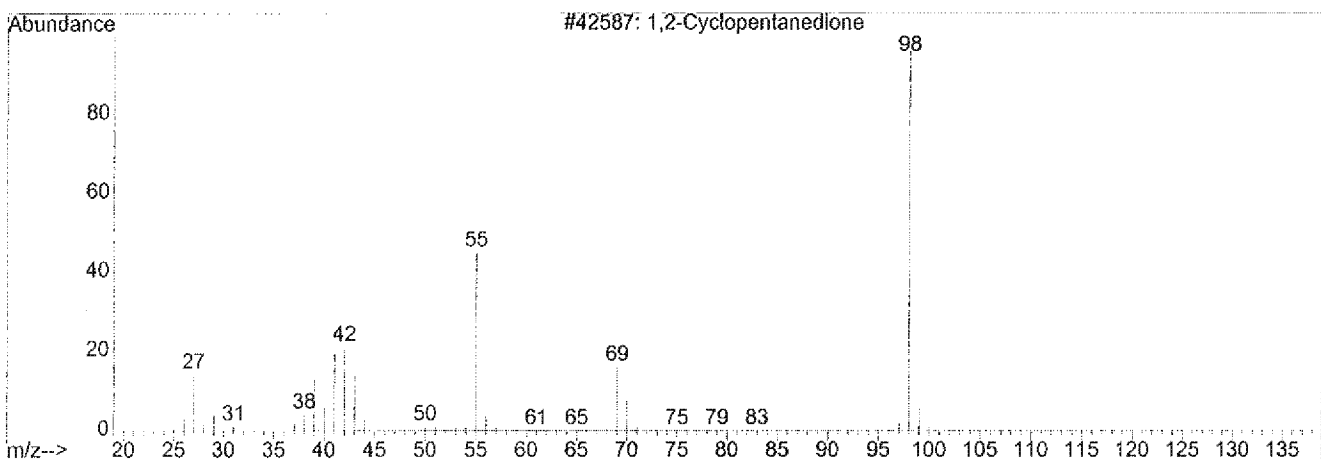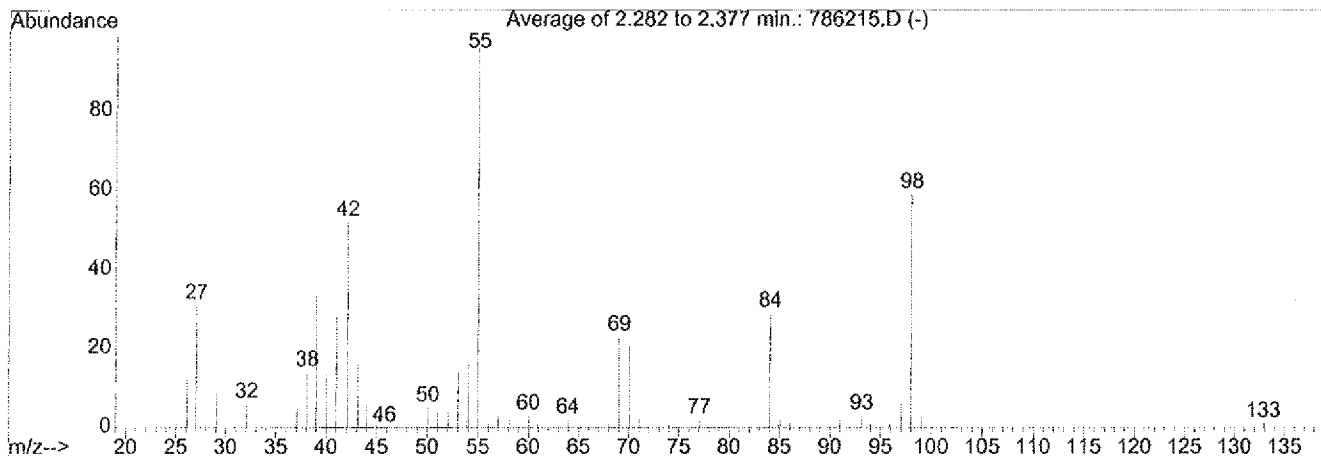


#1065: 2-Propanone, 1,3-dihydroxy-

# Area Percent / Library Search Report

Information from Data File:
```
File Name   : D:\SYSTEM4\05_05_11\786215.D
Operator   : DJR
Date Acquired   : 5 May 2011   16:31
Sample Name   : █████████
Submitted by   : ASD
Vial Number   : 15
AcquisitionMeth: WSCREEN
Integrator   : RTE
```

Search Libraries:   C:\DATABASE\SLI          Minimum Quality: 90
                    C:\DATABASE\PMW_TOX2.L    Minimum Quality: 90
                    C:\DATABASE\NIST98.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------|-------------|------|
| 4 | 2.34 | C:\DATABASE\NIST98.L | | |
| | | 1,2-Cyclopentanedione | 003008-40-0 | 49 |
| | | 1,3-Cyclopentanedione | 003859-41-4 | 49 |
| | | 3-Hexene, (E)- | 013269-52-8 | 45 |



Average of 2.282 to 2.377 min.: 786215.D (-)



#42587: 1,2-Cyclopentanedione

# Area Percent / Library Search Report

Information from Data File:
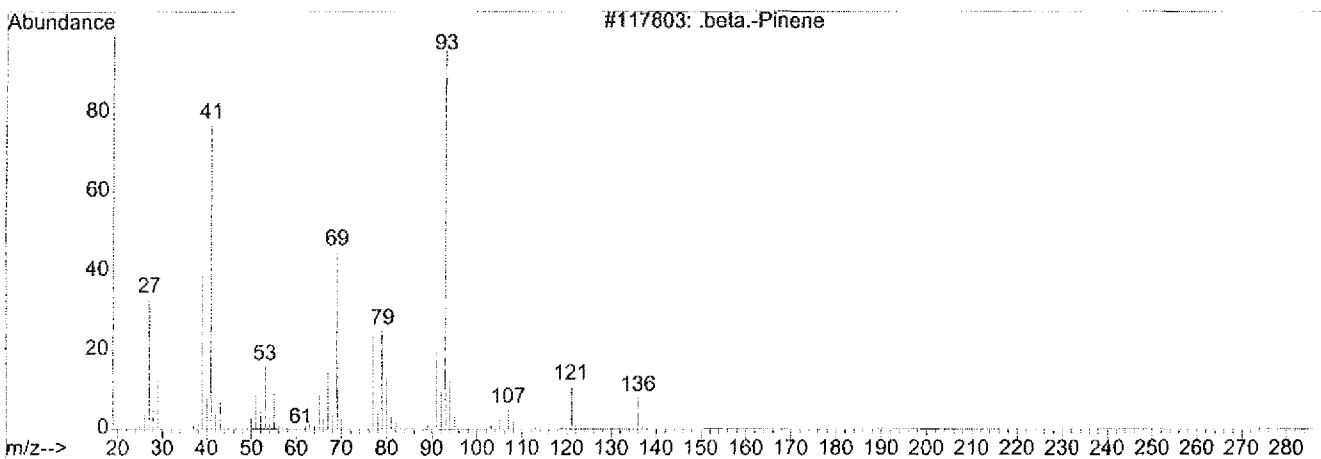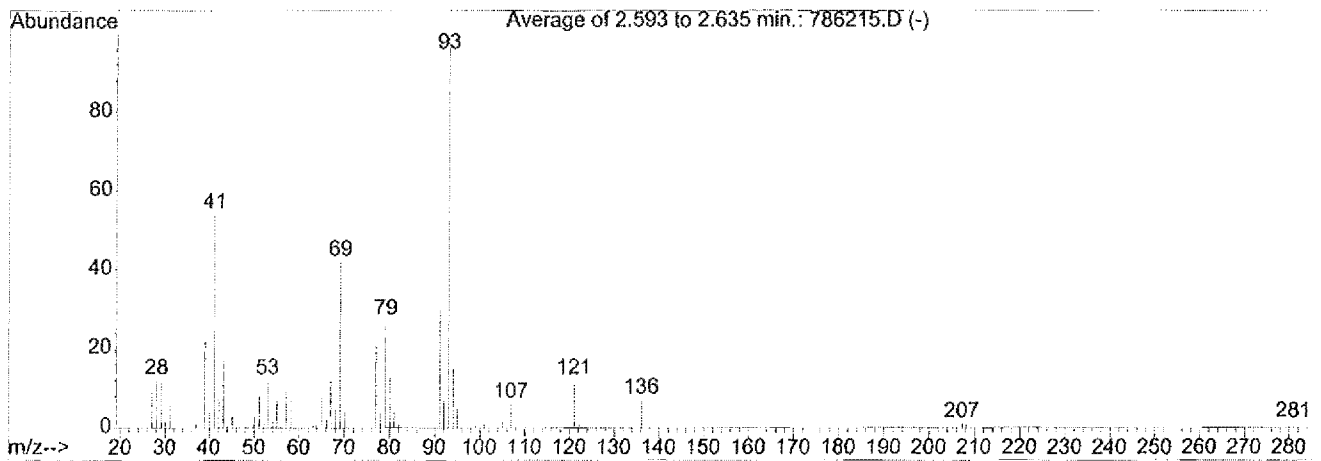```
File Name        : D:\SYSTEM4\05_05_11\786215.D
Operator         : DJR
Date Acquired    :  5 May 2011   16:31
Sample Name      : ███████████
Submitted by     : ASD
Vial Number      : 15
AcquisitionMeth: WSCREEN
Integrator       : RTE
```

Search Libraries: C:\DATABASE\SLI   Minimum Quality: 90
                     C:\DATABASE\PMW_TOX2.L   Minimum Quality: 90
                     C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
5	2.62	C:\DATABASE\NIST98.L		
		.beta.-Pinene	000127-91-3	96
		Bicyclo[3.1.1]heptane, 6,6-dimethyl	018172-67-3	95
		Bicyclo[3.1.1]heptane, 6,6-dimethyl	018172-67-3	95

Average of 2.593 to 2.635 min.: 786215.D (-)

#117803: .beta.-Pinene

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Area Percent / Library Search Report

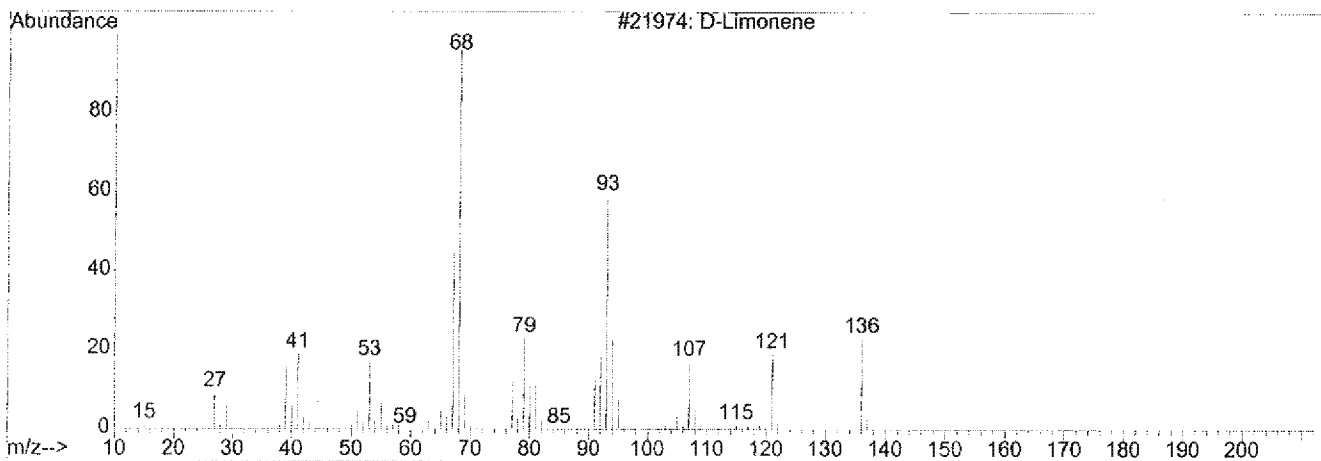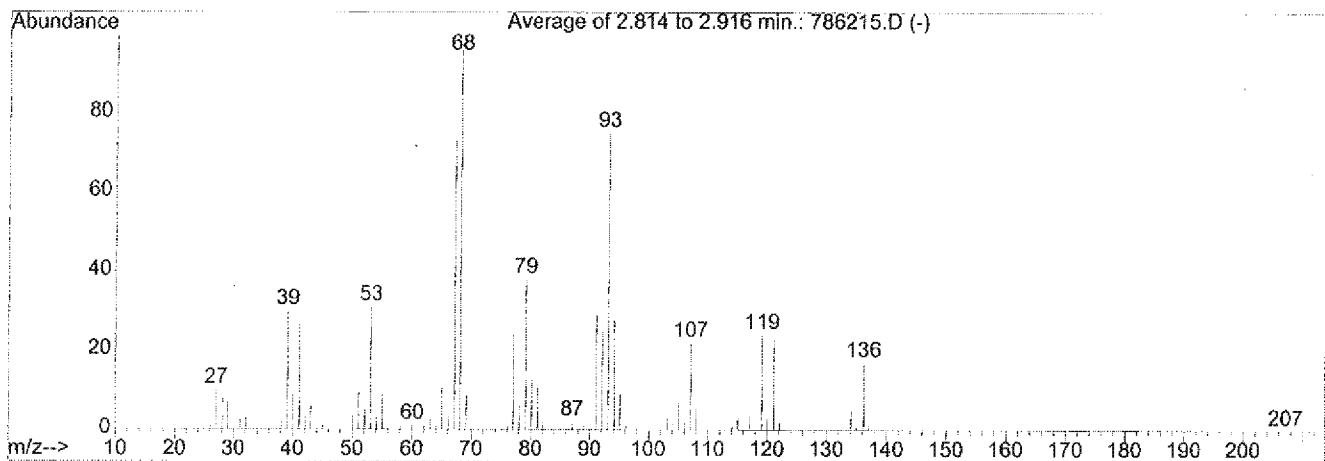Information from Data File:
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File Name       : D:\SYSTEM4\05_05_11\786215.D
Operator        : DJR
Date Acquired   :  5 May 2011  16:31
Sample Name     : ████████████
Submitted by    : ASD
Vial Number     :  15
AcquisitionMeth : WSCREEN
Integrator      : RTE
```

Search Libraries: C:\DATABASE\SLI   Minimum Quality: 90
                    C:\DATABASE\PMW_TOX2.L   Minimum Quality: 90
                    C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
6	2.86	C:\DATABASE\NIST98.L		
		D-Limonene	005989-27-5	93
		D-Limonene	005989-27-5	93
		Cyclohexene, 1-methyl-4-(1-methylet	005989-54-8	93

Average of 2.814 to 2.916 min.: 786215.D (-)

#21974: D-Limonene

Area Percent / Library Search Report

Information from Data File:
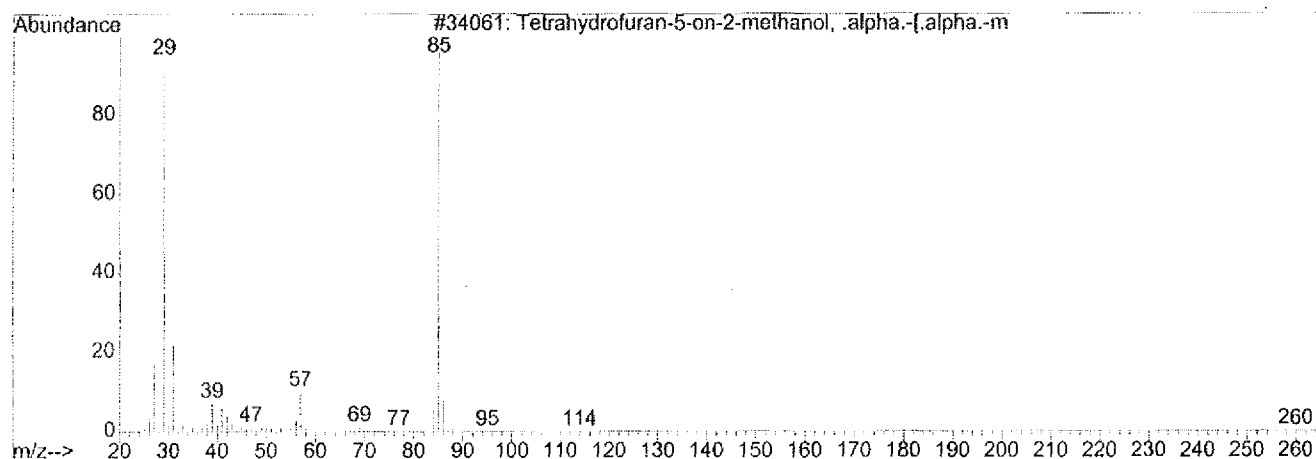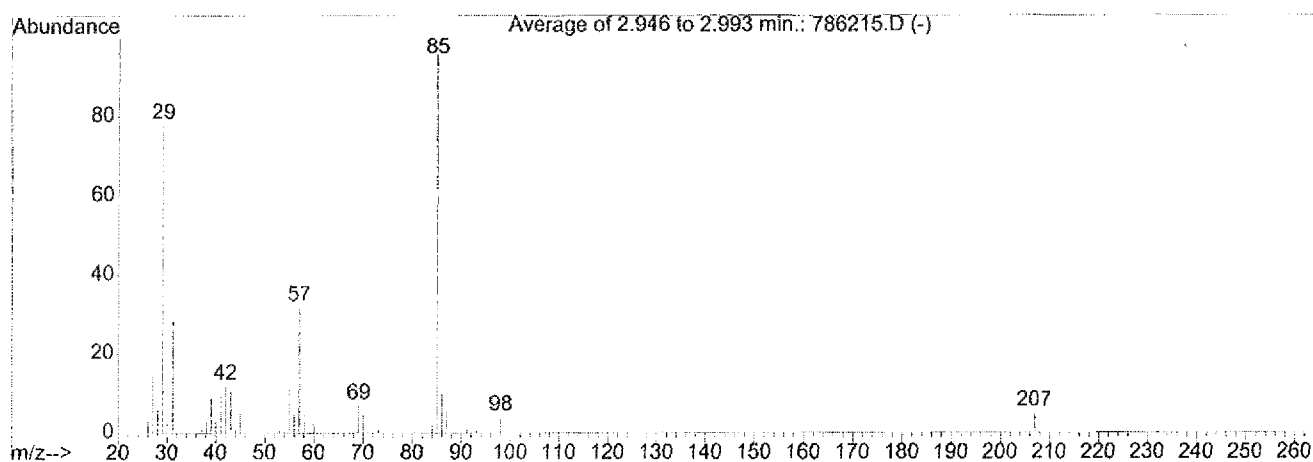```
File Name   : D:\SYSTEM4\05_05_11\786215.D
Operator   : DJR
Date Acquired   : 5 May 2011   16:31
Sample Name   : ███████████
Submitted by   : ASD
Vial Number   : 15
AcquisitionMeth: WSCREEN
Integrator   : RTE
```

| | Search Libraries: | C:\DATABASE\SLI | Minimum Quality: 90 |
| | | C:\DATABASE\PMW_TOX2.L | Minimum Quality: 90 |
| | | C:\DATABASE\NIST98.L | |

| PK# | RT | Library/ID | CAS# | Qual |
|-----|-----|-----------|------|------|
| 7 | 2.97 | C:\DATABASE\NIST98.L | | |
| | | Tetrahydrofuran-5-on-2-methanol, .a | 1000192-28-3 | 78 |
| | | 2(3H)-Furanone, 5-acetyldihydro- | 029393-32-6 | 59 |
| | | (S)-(+)-2',3'-Dideoxyribonolactone | 032780-06-6 | 56 |



Average of 2.946 to 2.993 min.: 786215.D (-)



#34061: Tetrahydrofuran-5-on-2-methanol, .alpha.-[.alpha.-m

# Area Percent / Library Search Report

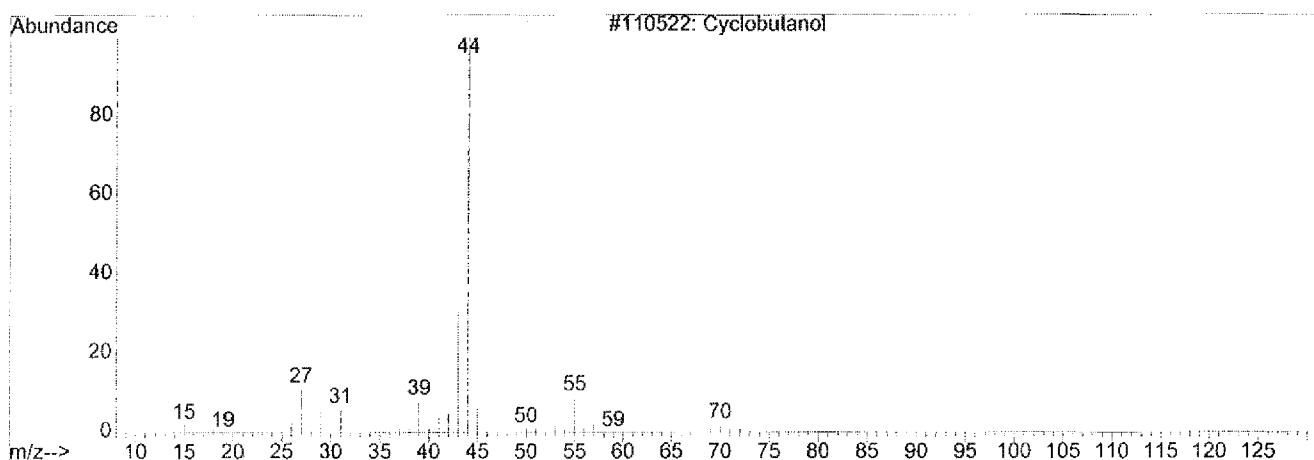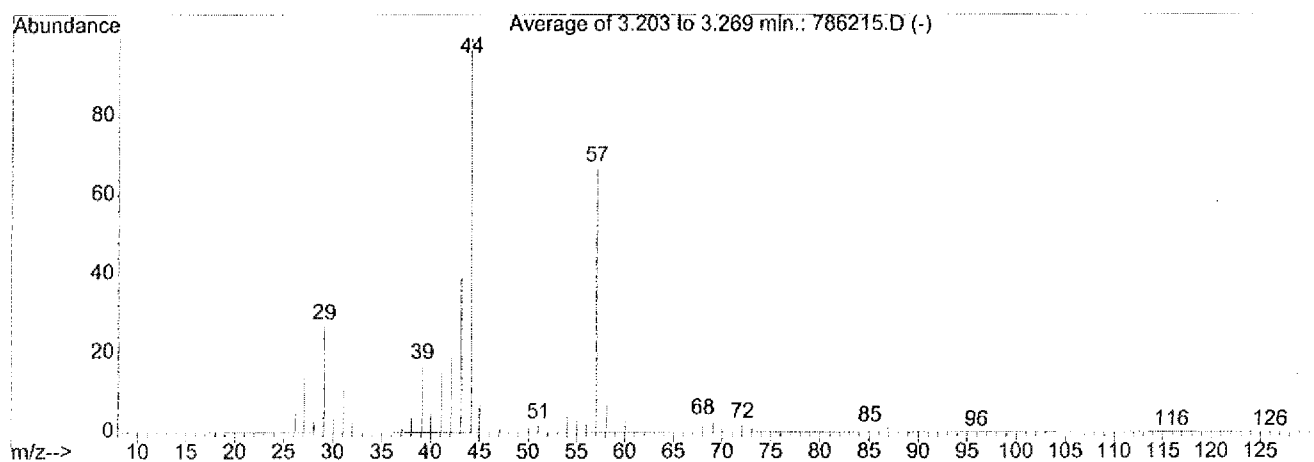Information from Data File:
File Name       : D:\SYSTEM4\05_05_11\786215.D
Operator        : DJR
Date Acquired   :  5 May 2011  16:31
Sample Name     : ███████████
Submitted by    : ASD
Vial Number     : 15
AcquisitionMeth: WSCREEN
Integrator      : RTE

Search Libraries:   C:\DATABASE\SLI              Minimum Quality: 90
                    C:\DATABASE\PMW_TOX2.L       Minimum Quality: 90
                    C:\DATABASE\NIST98.L

| PK# | RT | Library/ID | CAS# | Qual |
|---|---|---|---|---|
| 8 | 3.22 | C:\DATABASE\NIST98.L | | |
| | | Cyclobutanol | 002919-23-5 | 72 |
| | | Cyclopropyl carbinol | 002516-33-8 | 64 |
| | | 2(3H)-Furanone, dihydro-4-hydroxy- | 005469-16-9 | 64 |

Average of 3.203 to 3.269 min.: 786215.D (-)

#110522: Cyclobutanol

# Area Percent / Library Search Report
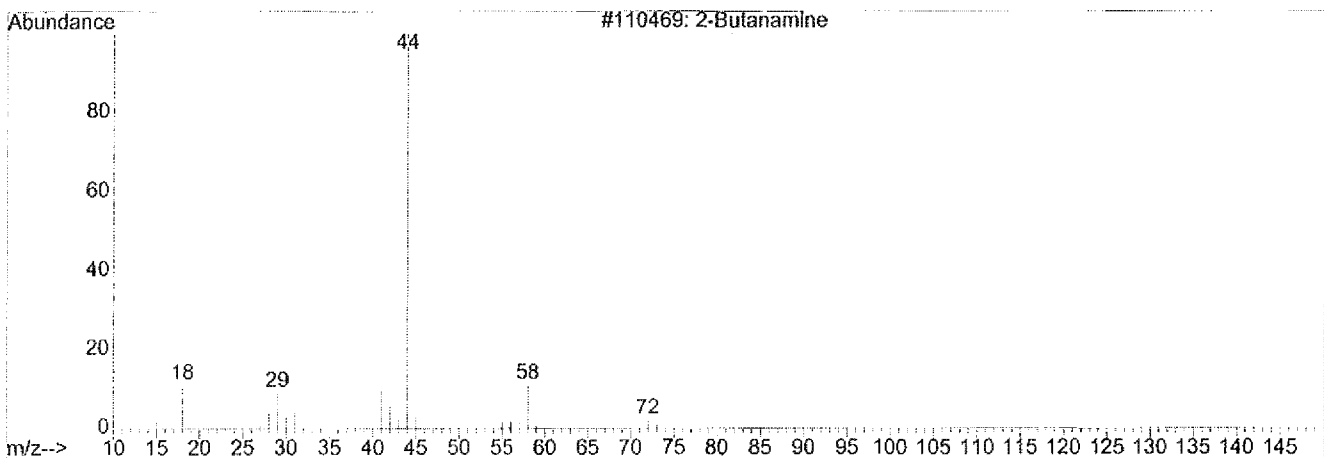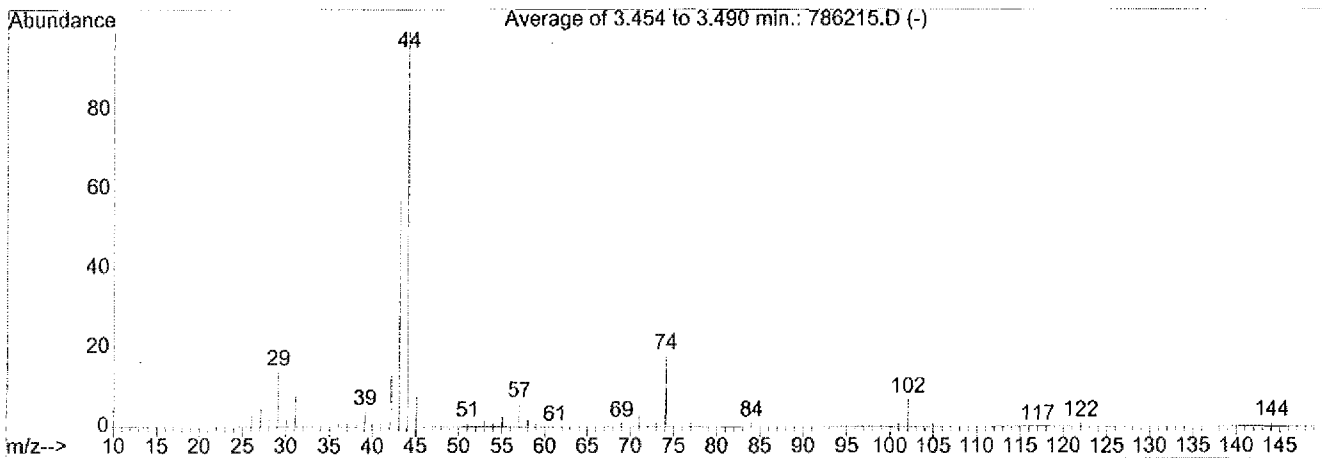
Information from Data File:
```
File Name   : D:\SYSTEM4\05_05_11\786215.D
Operator   : DJR
Date Acquired : 5 May 2011 16:31
Sample Name   : ███████
Submitted by   : ASD
Vial Number   : 15
AcquisitionMeth: WSCREEN
Integrator   : RTE
```

Search Libraries:   C:\DATABASE\SLI                Minimum Quality: 90
                    C:\DATABASE\PMW_TOX2.L         Minimum Quality: 90
                    C:\DATABASE\NIST98.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|----|-----------|------|------|
| 9 | 3.48 | C:\DATABASE\NIST98.L | | |
| | | 2-Butanamine | 013952-84-6 | 45 |
| | | 2-Propanamine, 1-methoxy- | 037143-54-7 | 45 |
| | | Cyclopropyl carbinol | 002516-33-8 | 39 |

Abundance          Average of 3.454 to 3.490 min.: 786215.D (-)



Abundance          #110469: 2-Butanamine



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# Area Percent / Library Search Report

```
Information from Data File:
File Name   : D:\SYSTEM4\05_05_11\786215.D
Operator   : DJR
Date Acquired : 5 May 2011 16:31
Sample Name   : ███████████
Submitted by   : ASD
Vial Number   : 15
AcquisitionMeth: WSCREEN
Integrator   : RTE
```
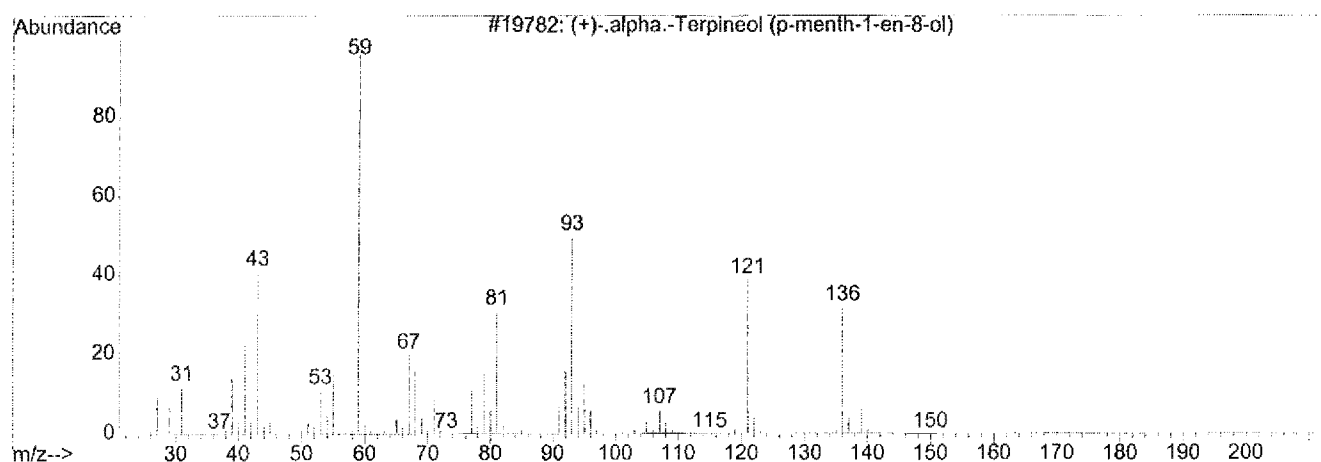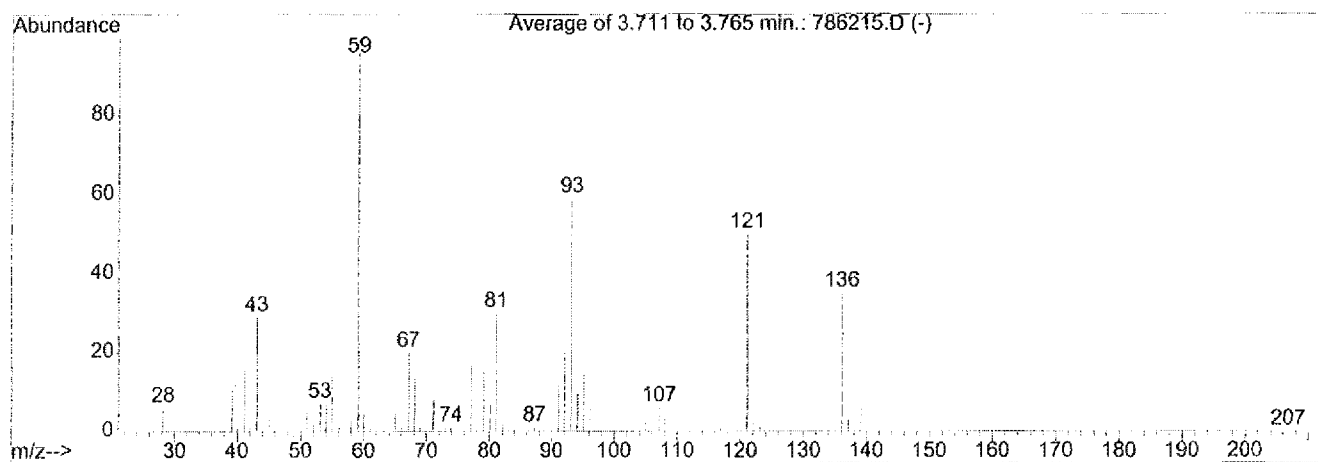
```
Search Libraries: C:\DATABASE\SLI   Minimum Quality: 90
                    C:\DATABASE\PMW_TOX2.L   Minimum Quality: 90
                    C:\DATABASE\NIST98.L
```

| PK# | RT | Library/ID | CAS# | Qual |
|-----|-----|-----------|------|------|
| 10 | 3.73 | C:\DATABASE\NIST98.L | | |
| | | (+)-.alpha.-Terpineol (p-menth-1-en | 1000157-89-9 | 91 |
| | | 3-Cyclohexene-1-methanol, .alpha.,, | 000098-55-5 | 83 |
| | | (-)-.alpha.-Terpineol (p-menth-1-en | 1000151-92-4 | 43 |



Average of 3.711 to 3.765 min.: 786215.D (-)



#19782: (+)-.alpha.-Terpineol (p-menth-1-en-8-ol)

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# Area Percent / Library Search Report

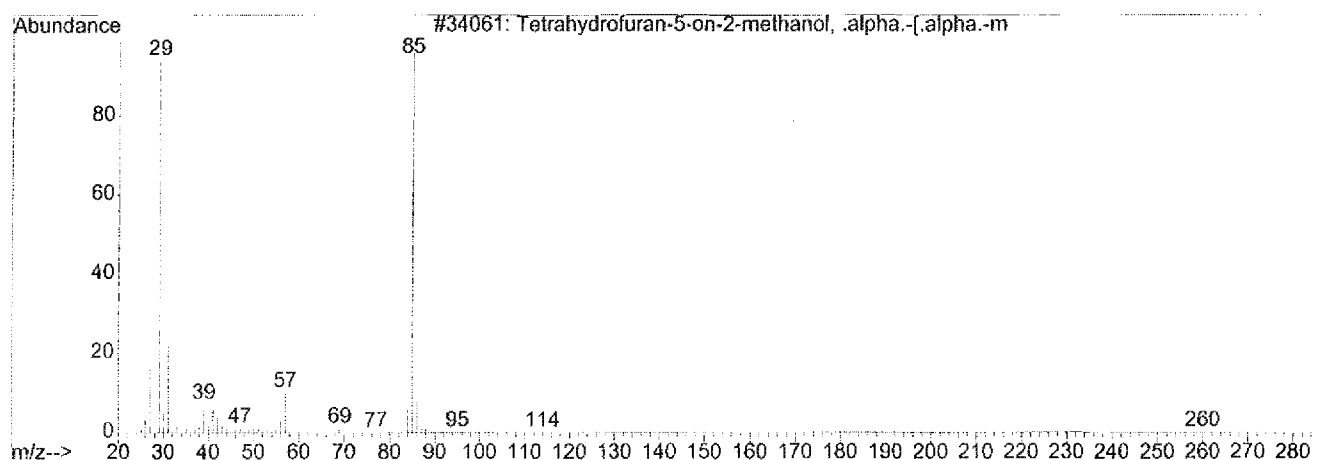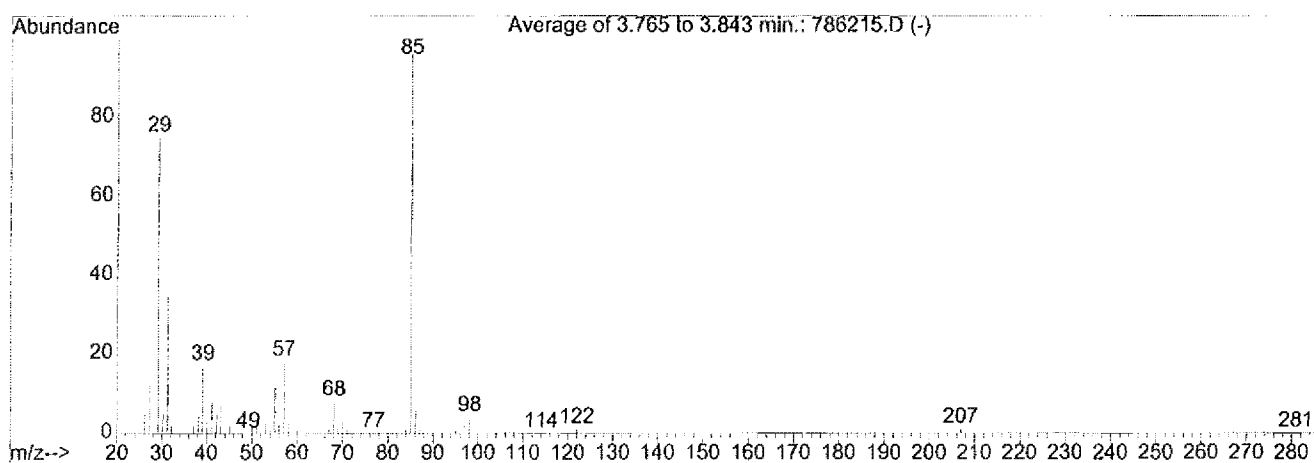Information from Data File:
File Name        : D:\SYSTEM4\05_05_11\786215.D
Operator         : DJR
Date Acquired    :  5 May 2011  16:31
Sample Name      : ████████
Submitted by     : ASD
Vial Number      :  15
AcquisitionMeth: WSCREEN
Integrator       : RTE

Search Libraries:   C:\DATABASE\SLI            Minimum Quality: 90
                    C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                    C:\DATABASE\NIST98.L

| PK# | RT | Library/ID | CAS# | Qual |
|---|---|---|---|---|
| 11 | 3.78 | C:\DATABASE\NIST98.L | | |
| | | Tetrahydrofuran-5-on-2-methanol, .a | 1000192-28-3 | 78 |
| | | 2(3H)-Furanone, 5-acetyldihydro- | 029393-32-6 | 72 |
| | | 4-Methoxycarbonyl-4-butanolide | 003885-29-8 | 56 |



Average of 3.765 to 3.843 min.: 786215.D (-)



#34061: Tetrahydrofuran-5-on-2-methanol, .alpha.-[.alpha.-m

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Information from Data File:
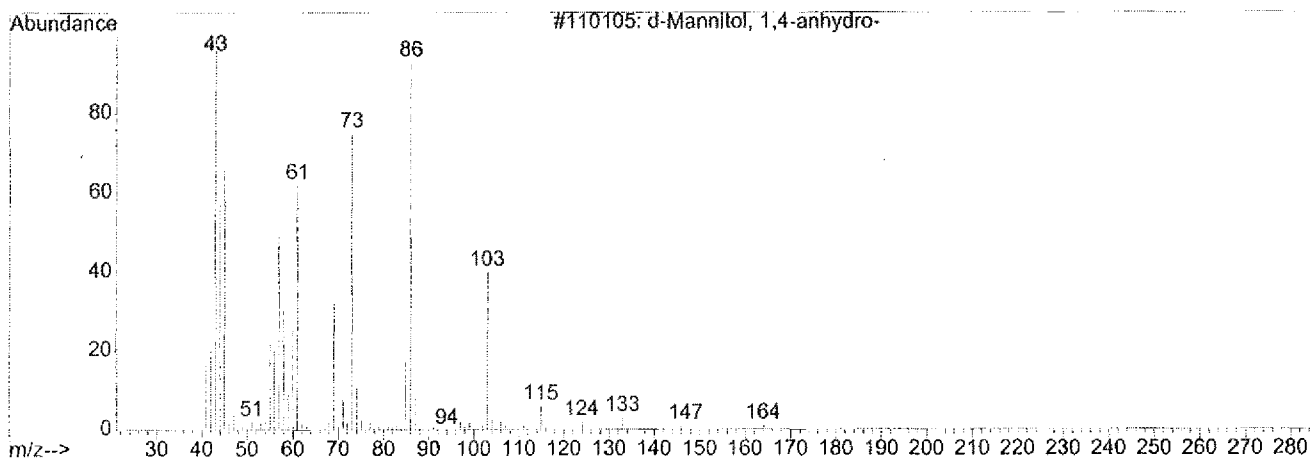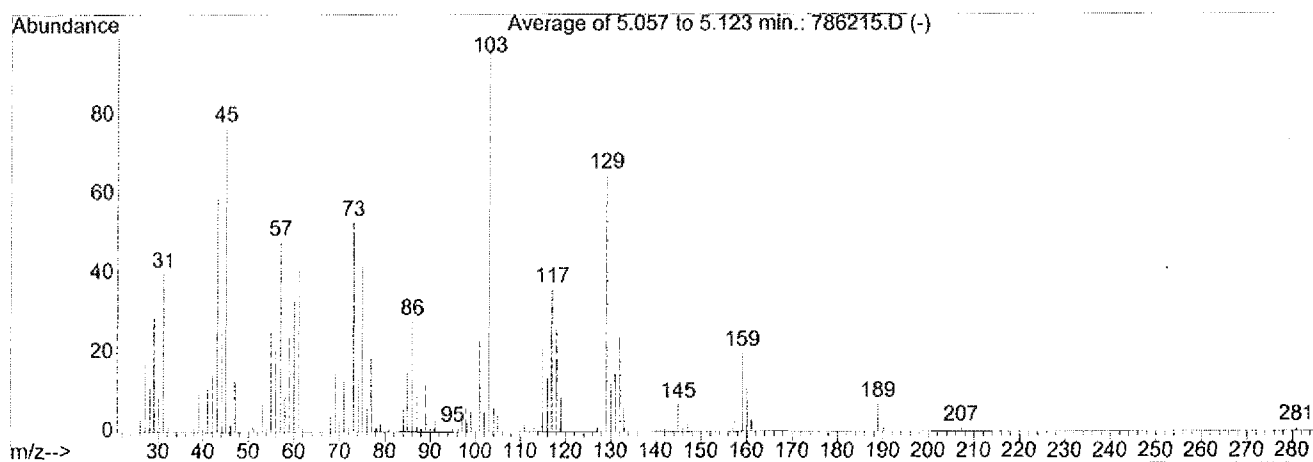```
File Name        : D:\SYSTEM4\05_05_11\786215.D
Operator         : DJR
Date Acquired    : 5 May 2011   16:31
Sample Name      : █████████████
Submitted by     : ASD
Vial Number      : 15
AcquisitionMeth: WSCREEN
Integrator       : RTE
```

Search Libraries: C:\DATABASE\SLI   Minimum Quality: 90
                   C:\DATABASE\PMW_TOX2.L   Minimum Quality: 90
                   C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
12	5.08	C:\DATABASE\NIST98.L		
		d-Mannitol, 1,4-anhydro-	007726-97-8	43
		Silane, [3-(2,3-epoxypropoxy)propyl	017963-04-1	27
		Silane, dimethyl[(methylsilyl)methy	018148-13-5	22

Abundance   Average of 5.057 to 5.123 min.: 786215.D (-)

Abundance   #110105: d-Mannitol, 1,4-anhydro-

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Area Percent / Library Search Report

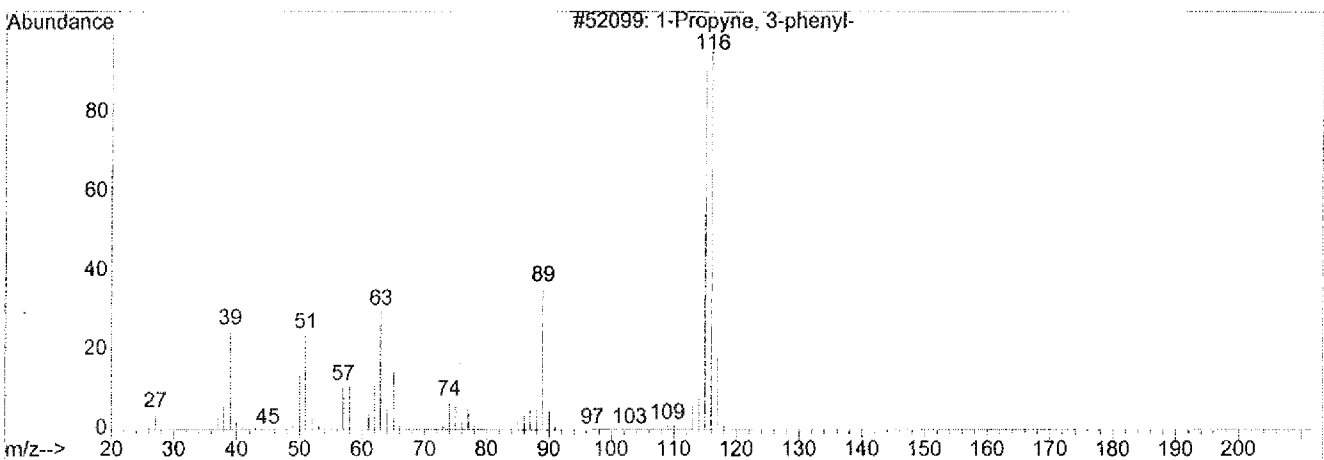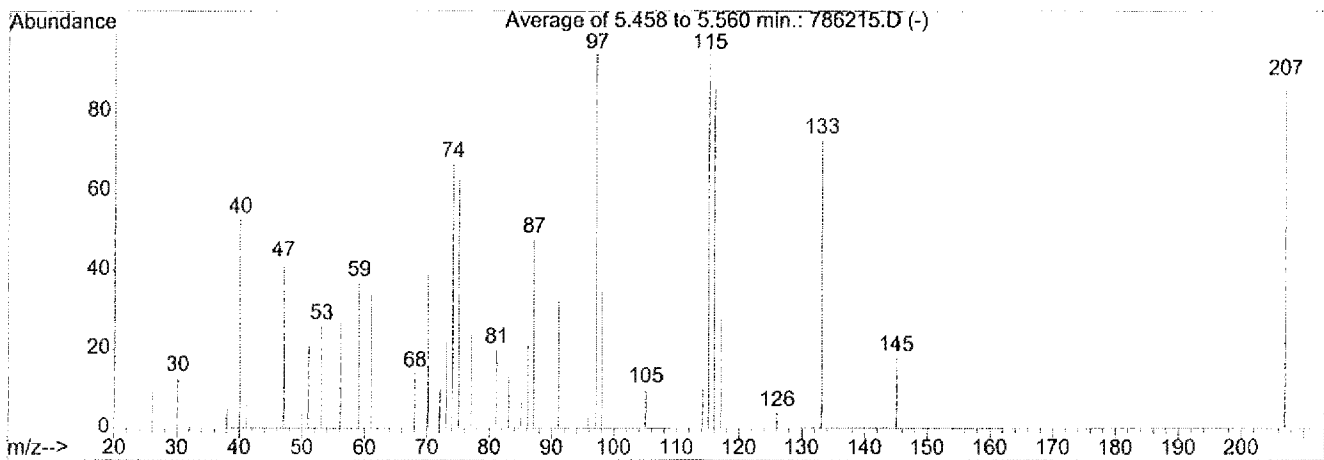Information from Data File:
File Name   : D:\SYSTEM4\05_05_11\786215.D
Operator   : DJR
Date Acquired   : 5 May 2011 16:31
Sample Name   : ███████████
Submitted by   : ASD
Vial Number   : 15
AcquisitionMeth: WSCREEN
Integrator   : RTE

Search Libraries: C:\DATABASE\SLI   Minimum Quality: 90
                    C:\DATABASE\PMW_TOX2.L   Minimum Quality: 90
                    C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
13	5.49	C:\DATABASE\NIST98.L		
		1-Propyne, 3-phenyl-	010147-11-2	22
		3(2H)-Isothiazolone, 2-methyl-	002682-20-4	14
		2H-Thiopyran-3,5-diol, tetrahydro-4	114454-91-0	12

Average of 5.458 to 5.560 min.: 786215.D (-)

#52099: 1-Propyne, 3-phenyl-

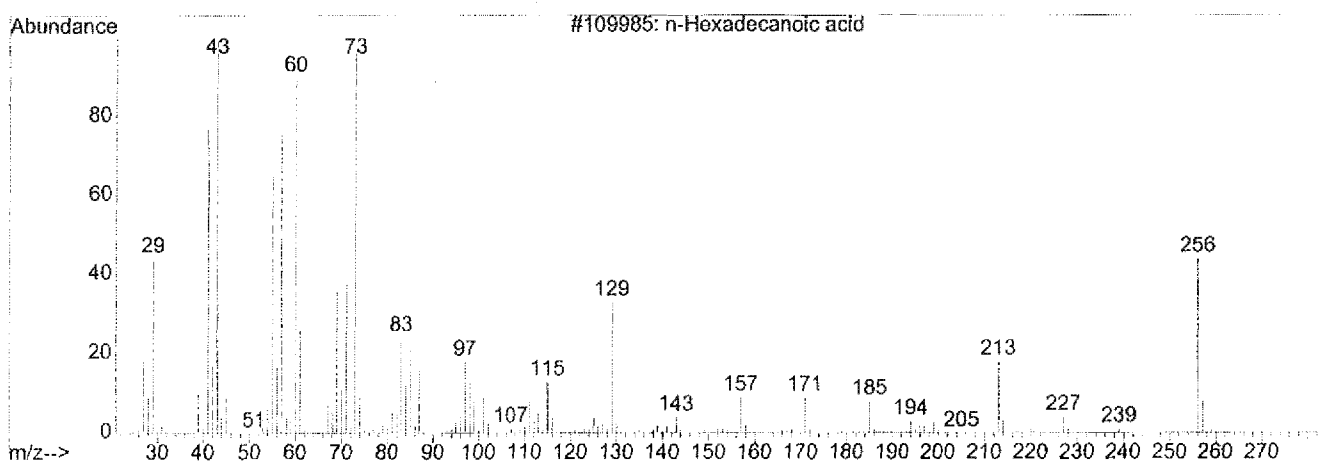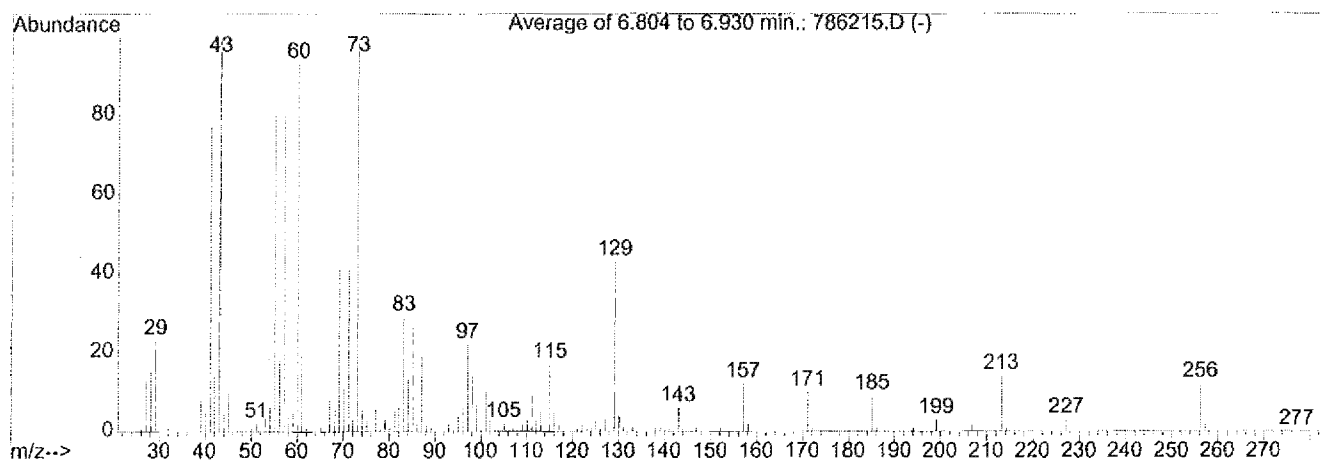786215.D   Tue Nov 15 10:13:11 2011   Page 14

Area Percent / Library Search Report

Information from Data File:
```
File Name       : D:\SYSTEM4\05_05_11\786215.D
Operator        : DJR
Date Acquired   :  5 May 2011   16:31
Sample Name     : ███████████
Submitted by    : ASD
Vial Number     : 15
AcquisitionMeth : WSCREEN
Integrator      : RTE
```

Search Libraries: C:\DATABASE\SLI   Minimum Quality: 90
                     C:\DATABASE\PMW_TOX2.L   Minimum Quality: 90
                     C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
14	6.83	C:\DATABASE\NIST98.L		
		n-Hexadecanoic acid	000057-10-3	98
		n-Hexadecanoic acid	000057-10-3	93
		Tridecanoic acid	000638-53-9	90

Average of 6.804 to 6.930 min.: 786215.D (-)
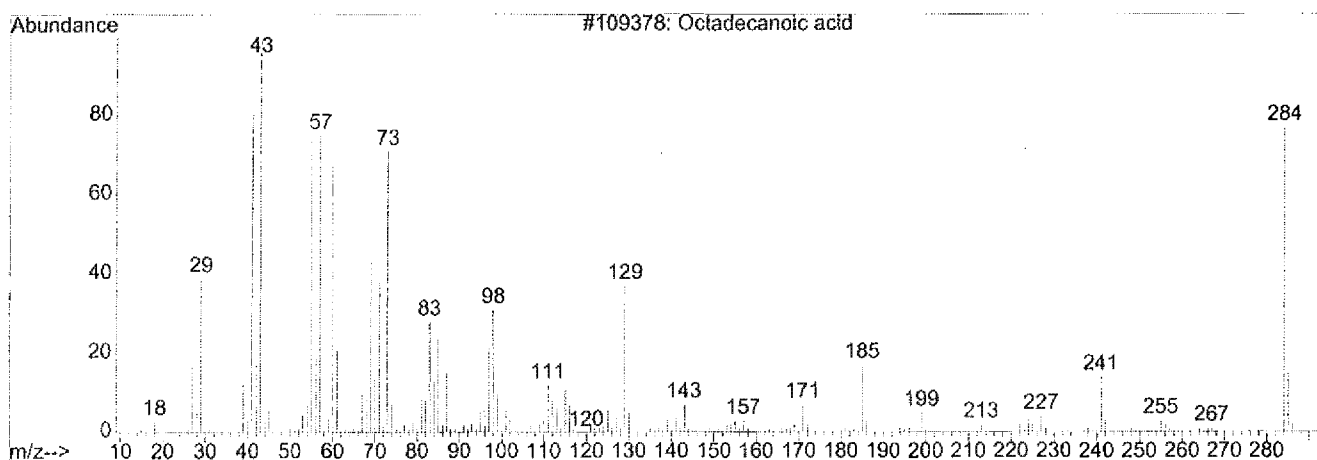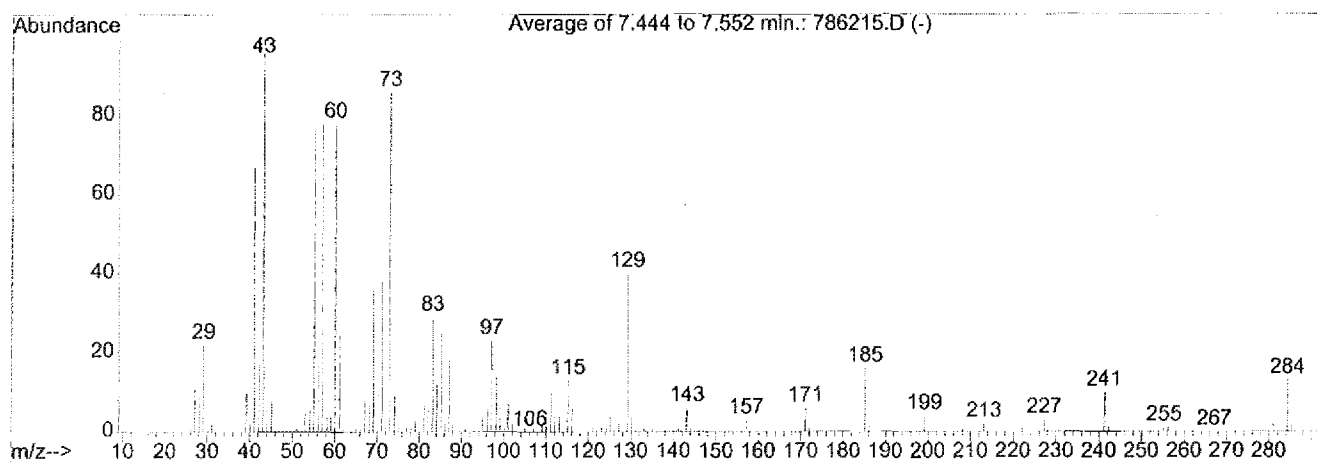

#109985: n-Hexadecanoic acid

Area Percent / Library Search Report

Information from Data File:
```
File Name        : D:\SYSTEM4\05_05_11\786215.D
Operator         : DJR
Date Acquired    :  5 May 2011   16:31
Sample Name      : ███████████
Submitted by     : ASD
Vial Number      :  15
AcquisitionMeth: WSCREEN
Integrator       : RTE
```

Search Libraries: C:\DATABASE\SLI   Minimum Quality: 90
                    C:\DATABASE\PMW_TOX2.L   Minimum Quality: 90
                    C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
15	7.47	C:\DATABASE\NIST98.L		
		Octadecanoic acid	000057-11-4	96
		Octadecanoic acid	000057-11-4	95
		Octadecanoic acid	000057-11-4	95

Average of 7.444 to 7.552 min.: 786215.D (-)

#109378: Octadecanoic acid

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Area Percent / Library Search Report

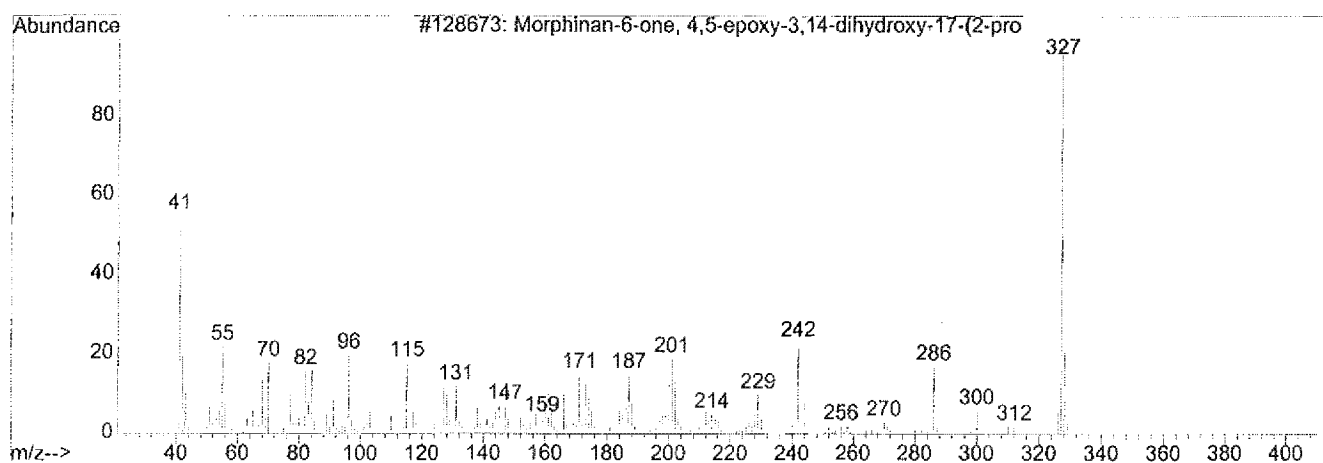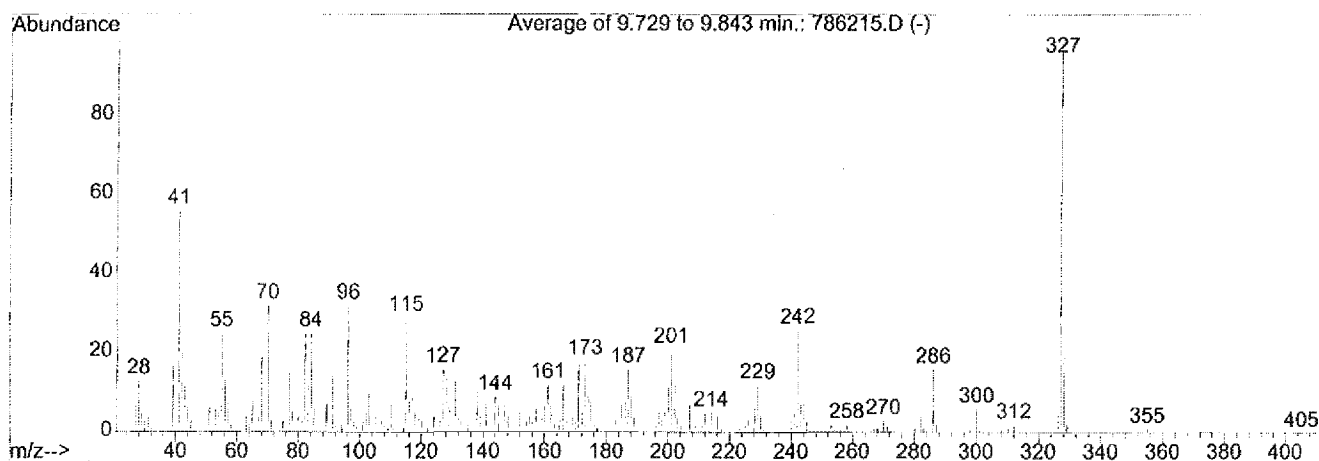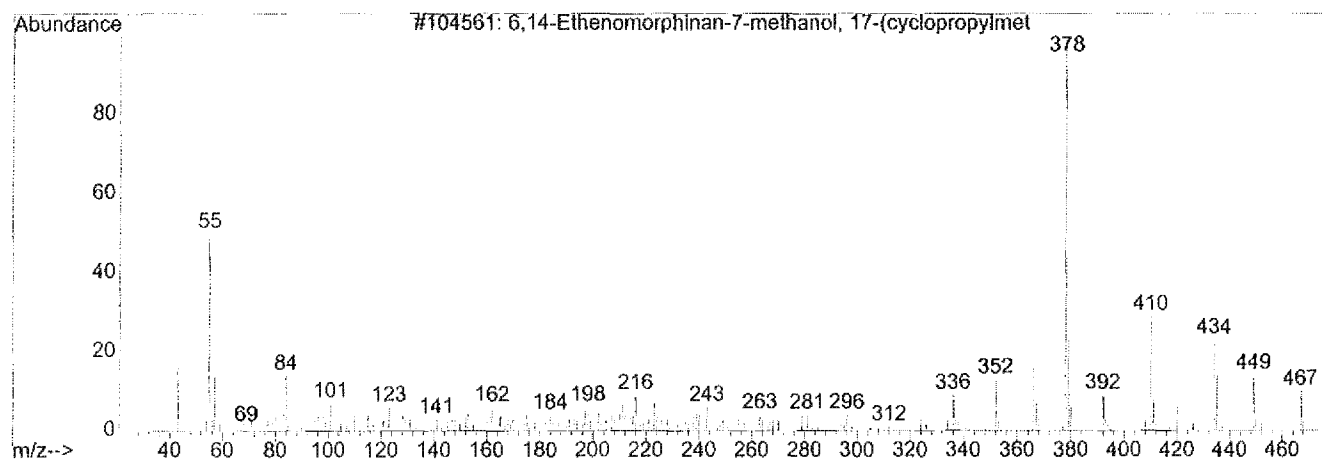Information from Data File:
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File Name        : D:\SYSTEM4\05_05_11\786215.D
Operator         : DJR
Date Acquired    : 5 May 2011   16:31
Sample Name      : ██████████
Submitted by     : ASD
Vial Number      : 15
AcquisitionMeth: WSCREEN
Integrator       : RTE
```

Search Libraries: C:\DATABASE\SLI   Minimum Quality: 90
                    C:\DATABASE\PMW_TOX2.L   Minimum Quality: 90
                    C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
16	9.77	C:\DATABASE\NIST98.L		
		Morphinan-6-one, 4,5-epoxy-3,14-dih	000465-65-6	99
		Morphinan-6-one, 4,5-epoxy-3,14-dih	000465-65-6	78
		Morphinan-6-one, 4,5-epoxy-3,14-dih	000465-65-6	70

Abundance   Average of 9.729 to 9.843 min.: 786215.D (-)

Abundance   #128673: Morphinan-6-one, 4,5-epoxy-3,14-dihydroxy-17-(2-pro

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Folk_OIG_PRR_027611

Information from Data File:
```
File Name        : D:\SYSTEM4\05_05_11\786215.D
Operator         : DJR
Date Acquired    :  5 May 2011  16:31
Sample Name      : ███████████
Submitted by     : ASD
Vial Number      :  15
AcquisitionMeth: WSCREEN
Integrator       : RTE
```

Search Libraries: C:\DATABASE\SLI   Minimum Quality: 90
                    C:\DATABASE\PMW_TOX2.L   Minimum Quality: 90
                    C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
17	16.97	C:\DATABASE\NIST98.L		
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	96
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	96
		10-Methoxycamptothecin	019685-10-0	55

Average of 16.782 to 17.081 min.: 786215.D (-)

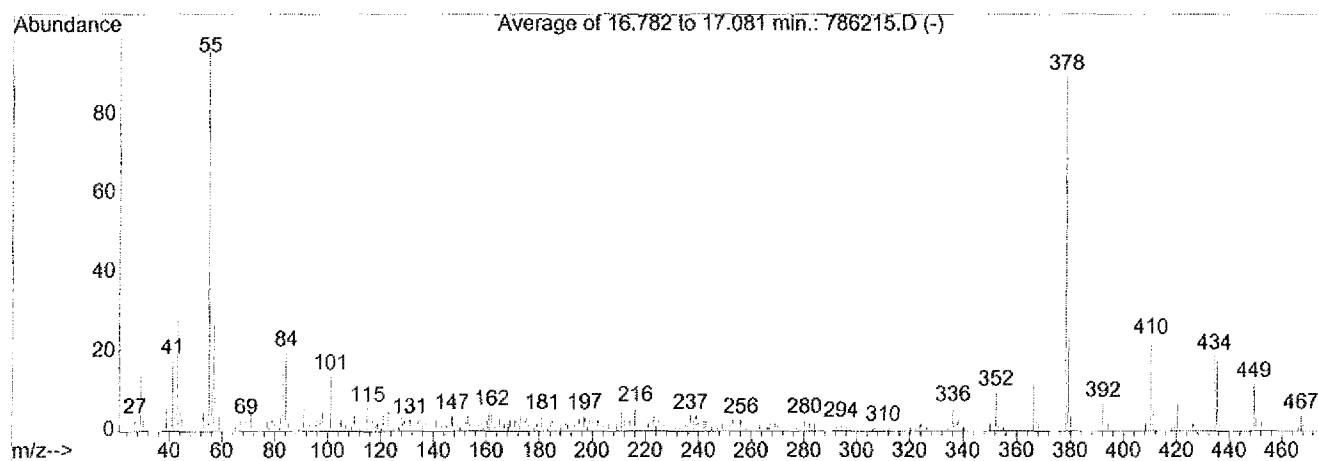#104561: 6,14-Ethenomorphinan-7-methanol, 17-(cyclopropylmet
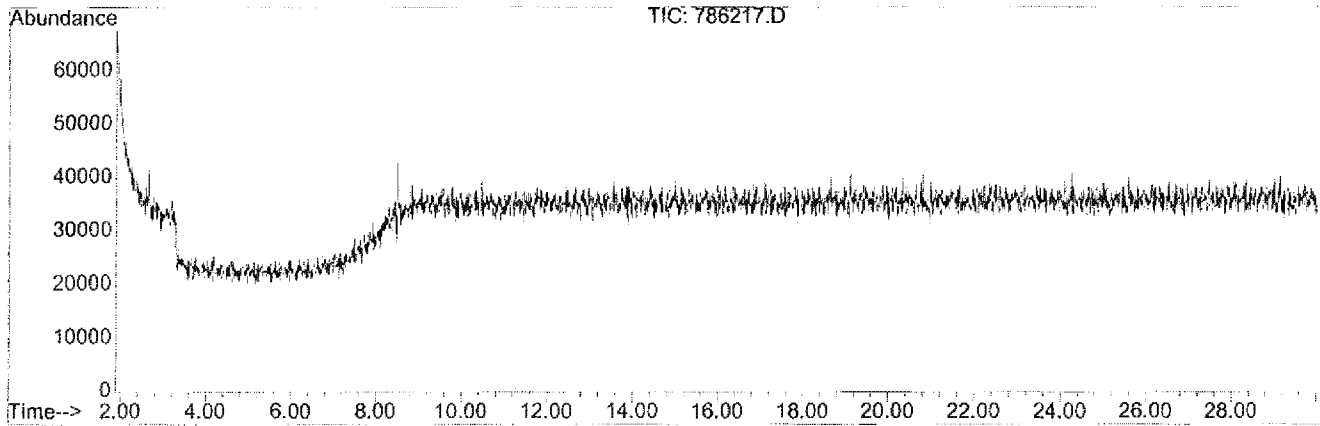
Area Percent / Library Search Report

Information from Data File:
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File Name        : D:\SYSTEM4\05_05_11\786217.D
Operator         : DJR
Date Acquired    :  5 May 2011  17:39
Sample Name      : BLANK
Submitted by     : ASD
Vial Number      :  1
AcquisitionMeth: WSCREEN
Integrator       : RTE
```


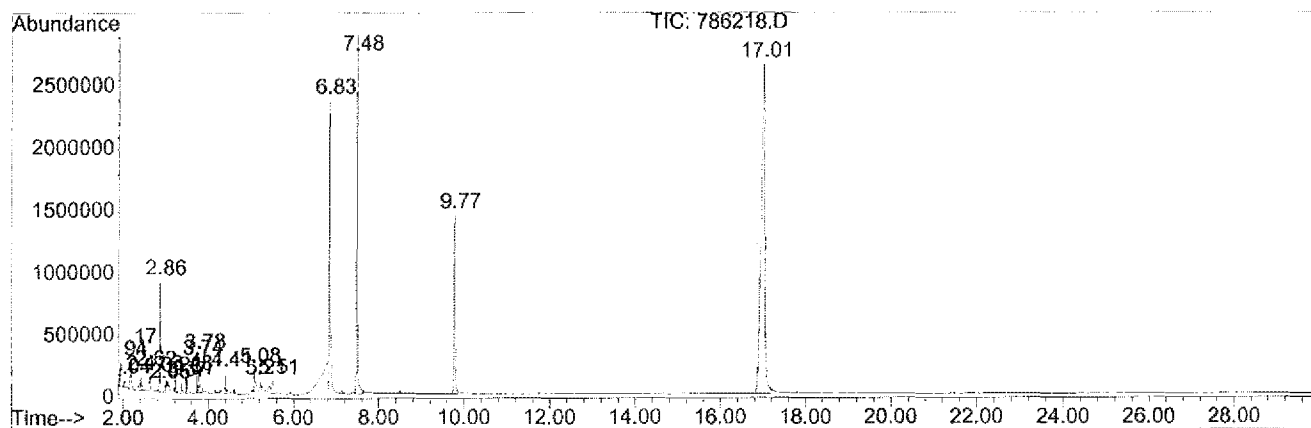| Ret. Time	Area	Area %	Ratio %

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:
File Name   : D:\SYSTEM4\05_05_11\786218.D
Operator   : DJR
Date Acquired   : 5 May 2011 18:13
Sample Name   : ███████████
Submitted by   : ASD
Vial Number   : 18
AcquisitionMeth: WSCREEN
Integrator   : RTE

Ret. Time	Area	Area %	Ratio %
1.941	393196	1.29	2.39
2.036	120909	0.40	0.73
2.168	600344	1.96	3.65
2.413	206689	0.68	1.26
2.617	203154	0.66	1.23
2.856	1253251	4.10	7.61
2.964	106203	0.35	0.65
3.227	148897	0.49	0.90
3.370	108873	0.36	0.66
3.478	158543	0.52	0.96
3.508	167966	0.55	1.02
3.735	260980	0.85	1.59
3.783	342948	1.12	2.08
4.405	201602	0.66	1.22
5.075	237901	0.78	1.45
5.213	153760	0.50	0.93
5.506	287717	0.94	1.75
6.834	3342163	10.93	20.31
7.480	3426133	11.20	20.82
9.771	2411354	7.88	14.65
17.010	16458129	53.80	100.00

786218.D   Tue Nov 15 10:13:27 2011   Page   1

Area Percent / Library Search Report

Information from Data File:
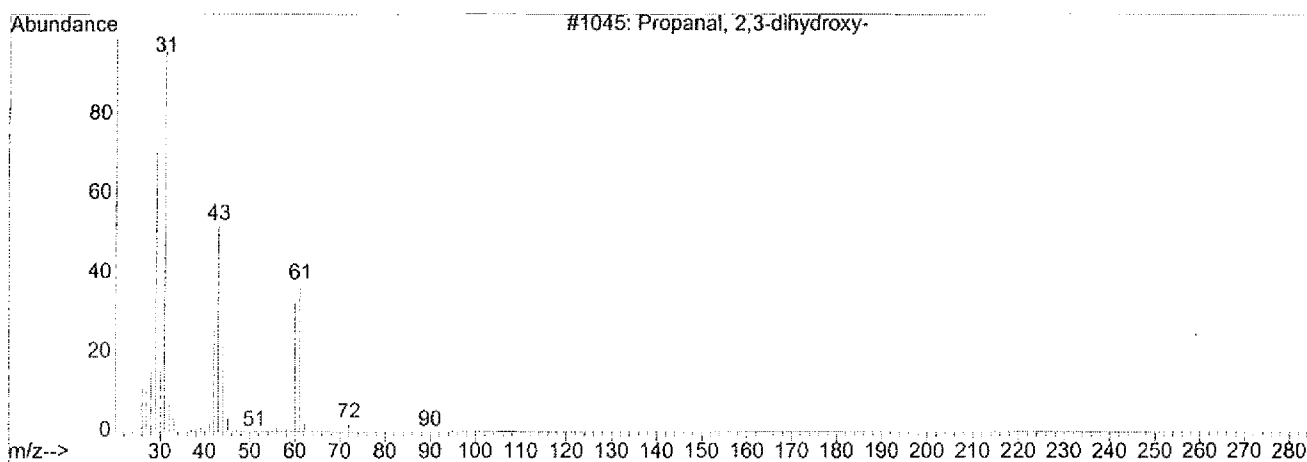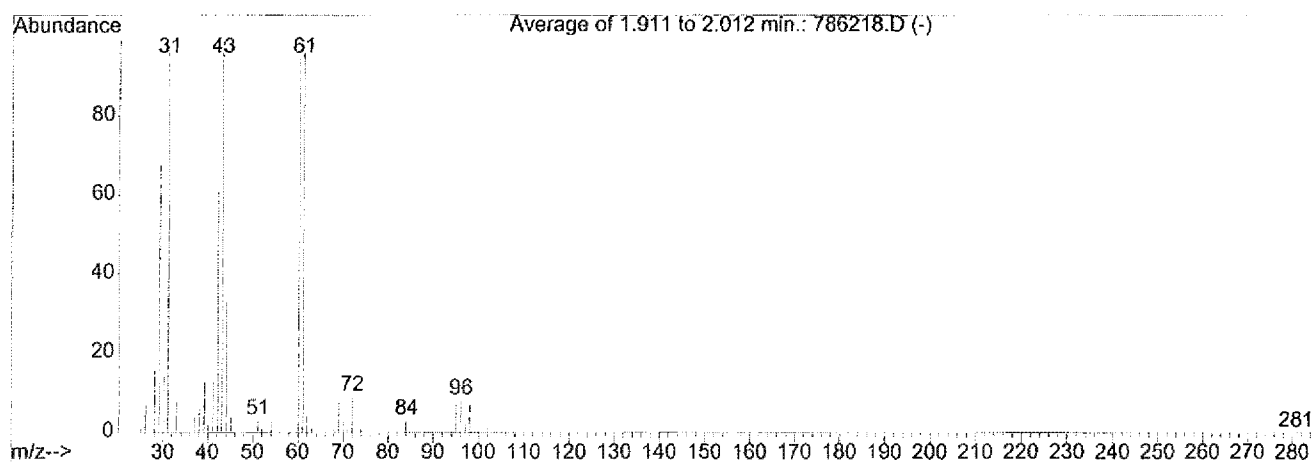```
File Name   : D:\SYSTEM4\05_05_11\786218.D
Operator   : DJR
Date Acquired   : 5 May 2011 18:13
Sample Name   : ███████████
Submitted by   : ASD
Vial Number   : 18
AcquisitionMeth : WSCREEN
Integrator   : RTE
```

Search Libraries:   C:\DATABASE\SLI          Minimum Quality: 90
                    C:\DATABASE\PMW_TOX2.L   Minimum Quality: 90
                    C:\DATABASE\NIST98.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|-----|-----------|------|------|
| 1 | 1.94 | C:\DATABASE\NIST98.L | | |
| | | Propanal, 2,3-dihydroxy- | 000367-47-5 | 78 |
| | | Methyl serine | 1000130-35-2 | 25 |
| | | 3-Buten-1-ol | 000627-27-0 | 10 |



Average of 1.911 to 2.012 min.: 786218.D (-)



#1045: Propanal, 2,3-dihydroxy-
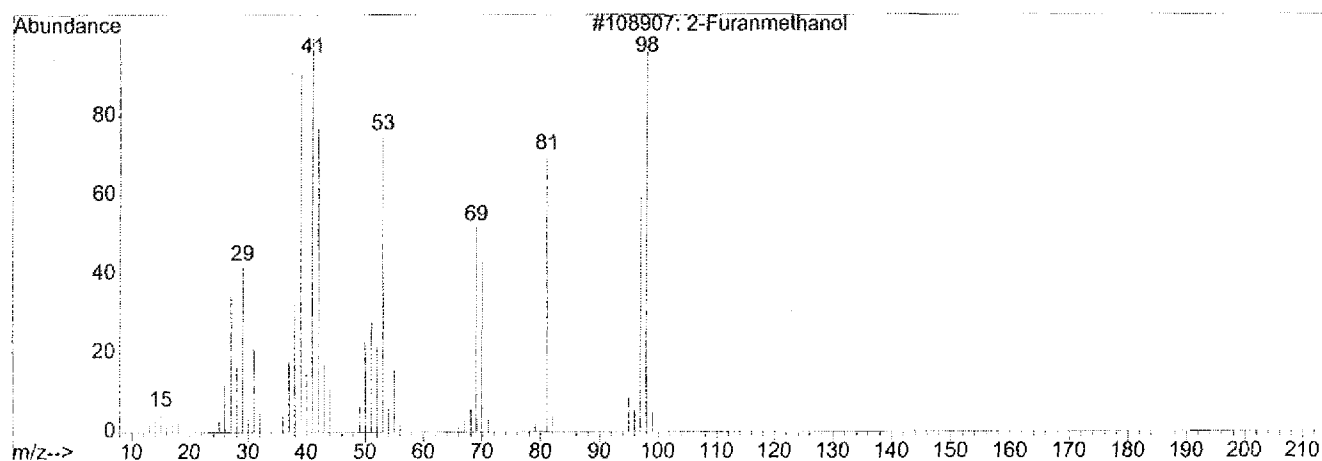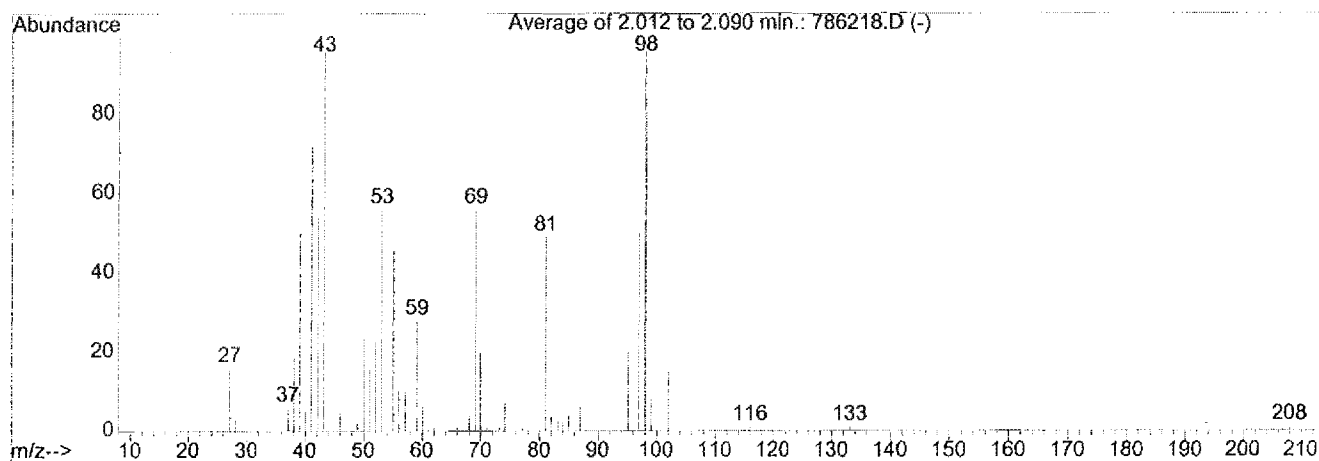
# Area Percent / Library Search Report

---

Information from Data File:
```
File Name   : D:\SYSTEM4\05_05_11\786218.D
Operator   : DJR
Date Acquired   : 5 May 2011 18:13
Sample Name   : ███████████
Submitted by   : ASD
Vial Number   : 18
AcquisitionMeth : WSCREEN
Integrator   : RTE
```

---

Search Libraries:    C:\DATABASE\SLI              Minimum Quality: 90
                     C:\DATABASE\PMW_TOX2.L       Minimum Quality: 90
                     C:\DATABASE\NIST98.L

| PK# | RT | Library/ID | CAS# | Qual |
|---|---|---|---|---|
| 2 | 2.04 | C:\DATABASE\NIST98.L | | |
| | | 2-Furanmethanol | 000098-00-0 | 62 |
| | | 2-Furanmethanol | 000098-00-0 | 58 |
| | | 3(2H)-Pyridazinone, 6-methyl- | 013327-27-0 | 37 |



Abundance — Average of 2.012 to 2.090 min.: 786218.D (-)



Abundance — #108907: 2-Furanmethanol

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# Area Percent / Library Search Report

Information from Data File:
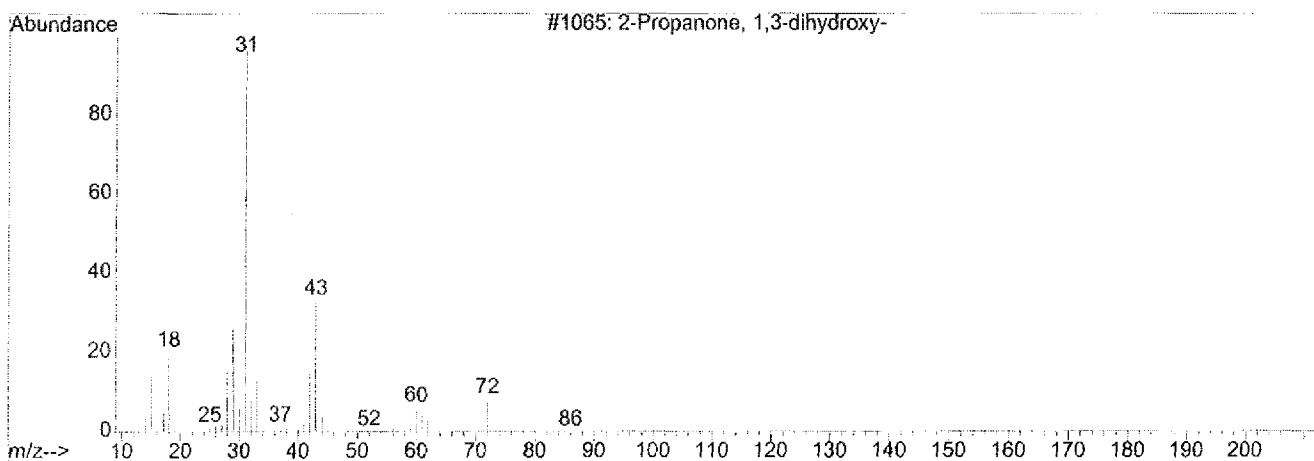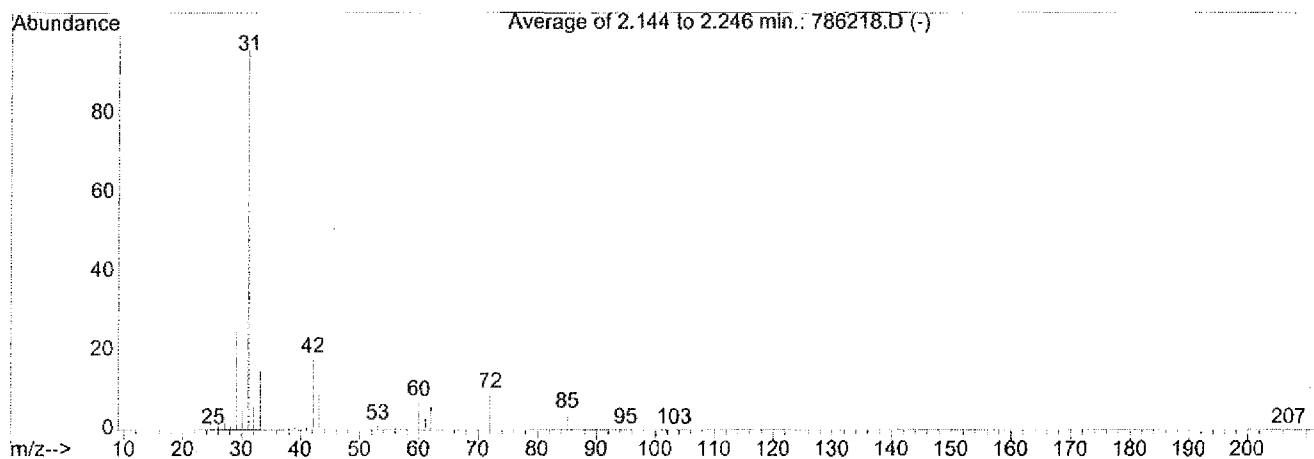```
File Name        : D:\SYSTEM4\05_05_11\786218.D
Operator         : DJR
Date Acquired    : 5 May 2011   18:13
Sample Name      : ███████████
Submitted by     : ASD
Vial Number      : 18
AcquisitionMeth: WSCREEN
Integrator       : RTE
```

Search Libraries: C:\DATABASE\SLI   Minimum Quality: 90
                   C:\DATABASE\PMW_TOX2.L   Minimum Quality: 90
                   C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
3	2.17	C:\DATABASE\NIST98.L		
		2-Propanone, 1,3-dihydroxy-	000096-26-4	56
		1-Propanol	000071-23-8	45
		Acetic acid, hydroxy-, methyl ester	000096-35-5	39

Average of 2.144 to 2.246 min.: 786218.D (-)

#1065: 2-Propanone, 1,3-dihydroxy-

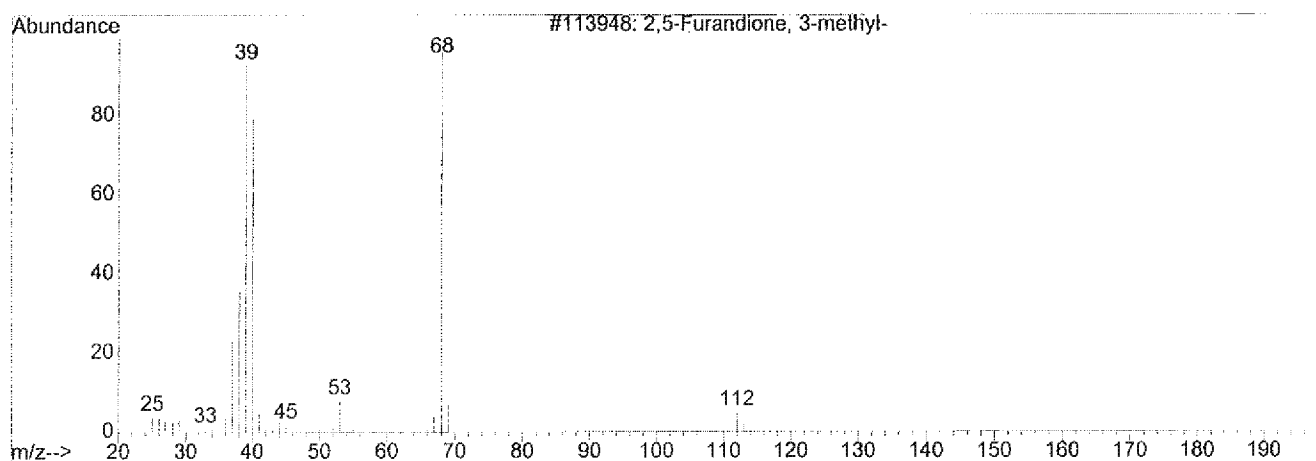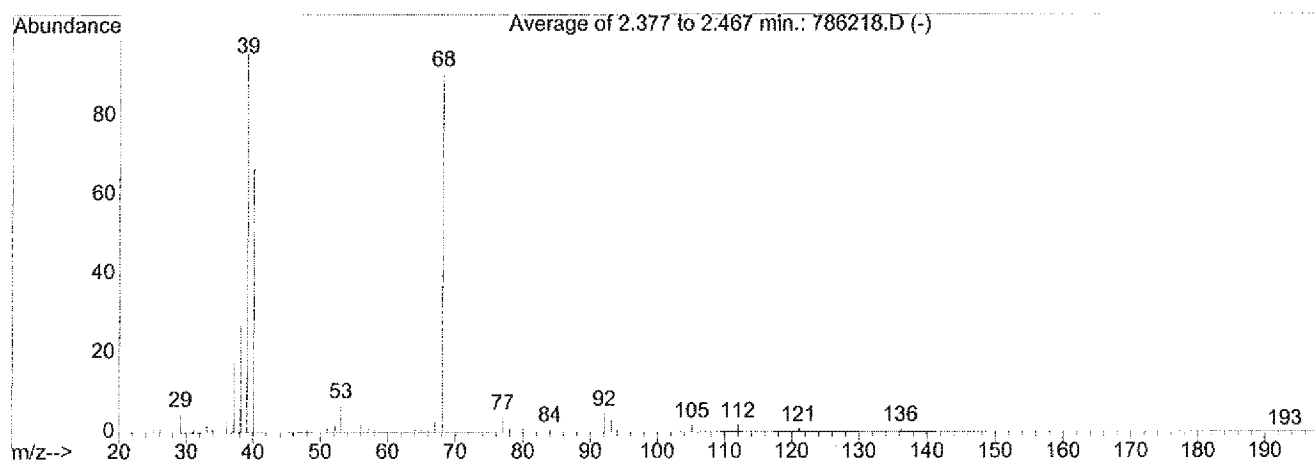786218.D   Tue Nov 15 10:13:29 2011   Page   4

Area Percent / Library Search Report

Information from Data File:
```
File Name       : D:\SYSTEM4\05_05_11\786218.D
Operator        : DJR
Date Acquired   :  5 May 2011  18:13
Sample Name     : ████████████
Submitted by    : ASD
Vial Number     :  18
AcquisitionMeth: WSCREEN
Integrator      : RTE
```

Search Libraries: C:\DATABASE\SLI   Minimum Quality: 90
                     C:\DATABASE\PMW_TOX2.L   Minimum Quality: 90
                     C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
4	2.41	C:\DATABASE\NIST98.L		
		2,5-Furandione, 3-methyl-	000616-02-4	90
		2H-Pyran-2-one	000504-31-4	74
		2H-Pyran-2-one	000504-31-4	74

Average of 2.377 to 2.467 min.: 786218.D (-)

#113948: 2,5-Furandione, 3-methyl-

786218.D   Tue Nov 15 10:13:29 2011   Page 5

Area Percent / Library Search Report

Information from Data File:
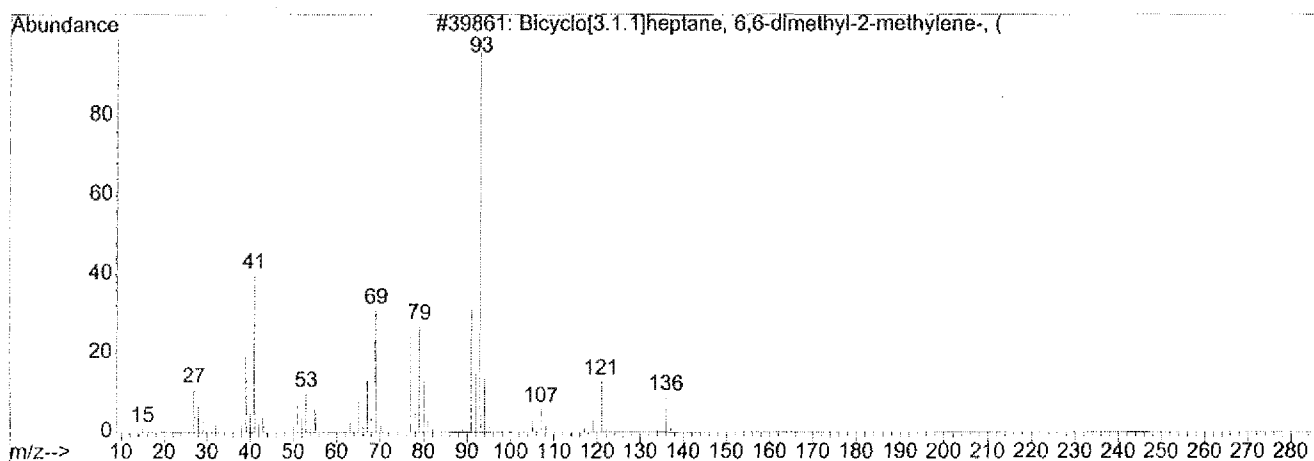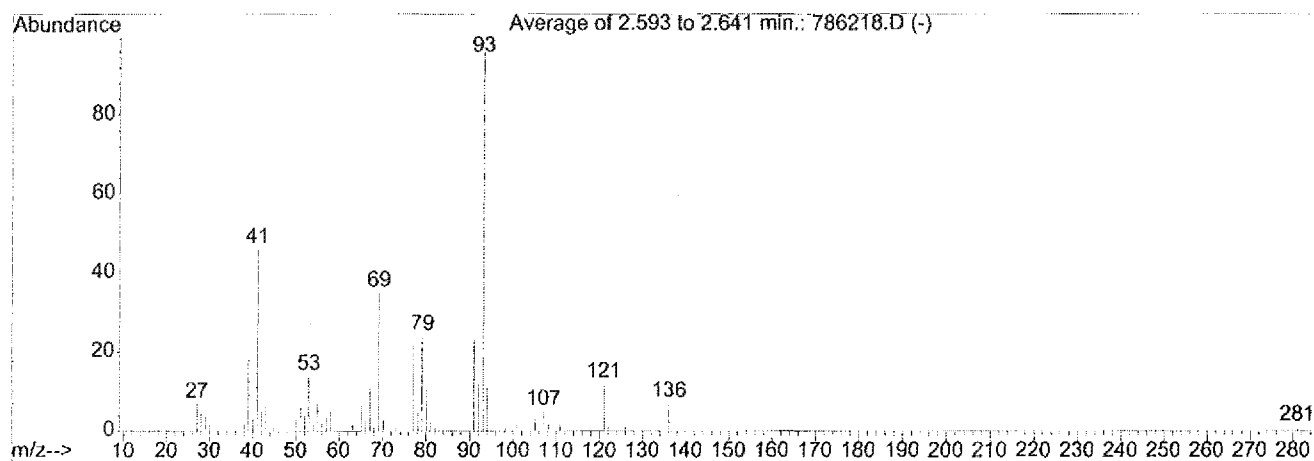File Name   : D:\SYSTEM4\05_05_11\786218.D
Operator   : DJR
Date Acquired : 5 May 2011 18:13
Sample Name   : ████████████
Submitted by   : ASD
Vial Number   : 18
AcquisitionMeth: WSCREEN
Integrator   : RTE

Search Libraries: C:\DATABASE\SLI   Minimum Quality: 90
                    C:\DATABASE\PMW_TOX2.L   Minimum Quality: 90
                    C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
5	2.62	C:\DATABASE\NIST98.L		
		Bicyclo[3.1.1]heptane, 6,6-dimethyl	018172-67-3	97
		Bicyclo[3.1.1]heptane, 6,6-dimethyl	018172-67-3	96
		.beta.-Pinene	000127-91-3	95

Average of 2.593 to 2.641 min.: 786218.D (-)

#39861: Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene-, (

786218.D   Tue Nov 15 10:13:30 2011   Page   6

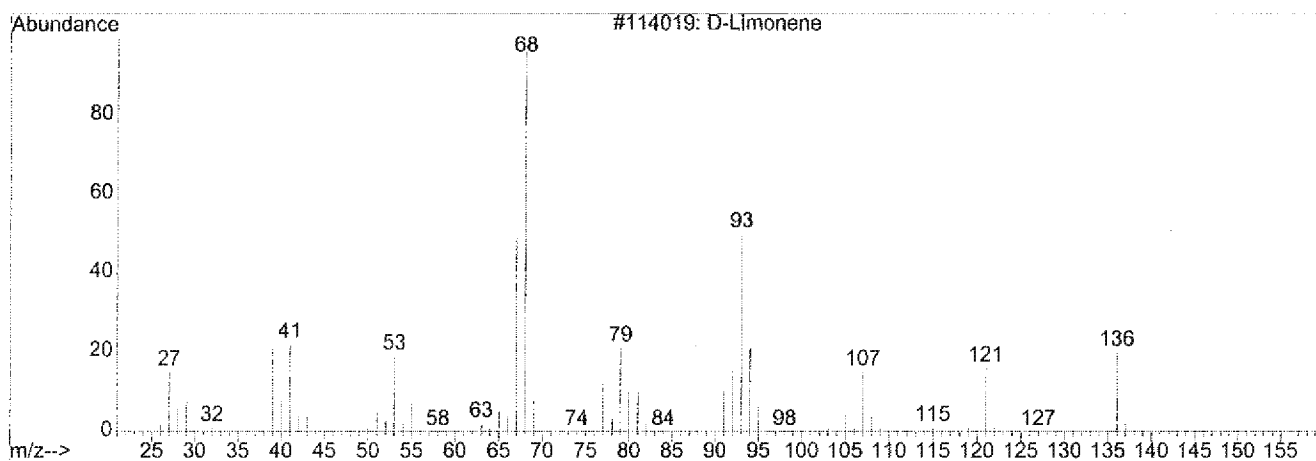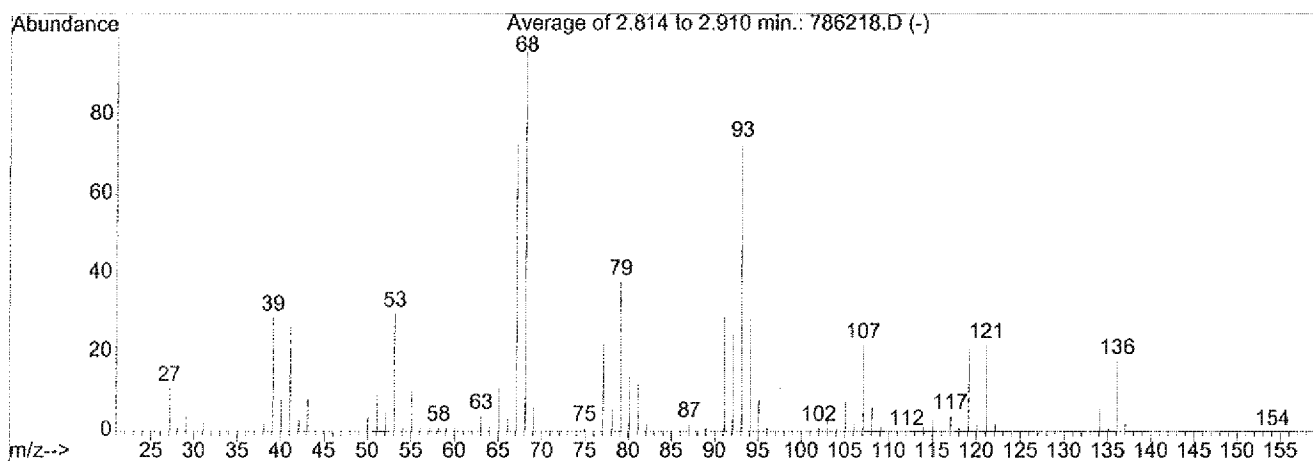Information from Data File:
File Name   : D:\SYSTEM4\05_05_11\786218.D
Operator   : DJR
Date Acquired : 5 May 2011 18:13
Sample Name   : ███████████
Submitted by   : ASD
Vial Number   : 18
AcquisitionMeth: WSCREEN
Integrator   : RTE

Search Libraries: C:\DATABASE\SLI   Minimum Quality: 90
                    C:\DATABASE\PMW_TOX2.L   Minimum Quality: 90
                    C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
6	2.86	C:\DATABASE\NIST98.L		
		D-Limonene	005989-27-5	93
		D-Limonene	005989-27-5	93
		Limonene	000138-86-3	93

Abundance — Average of 2.814 to 2.910 min.: 786218.D (-)

Abundance — #114019: D-Limonene

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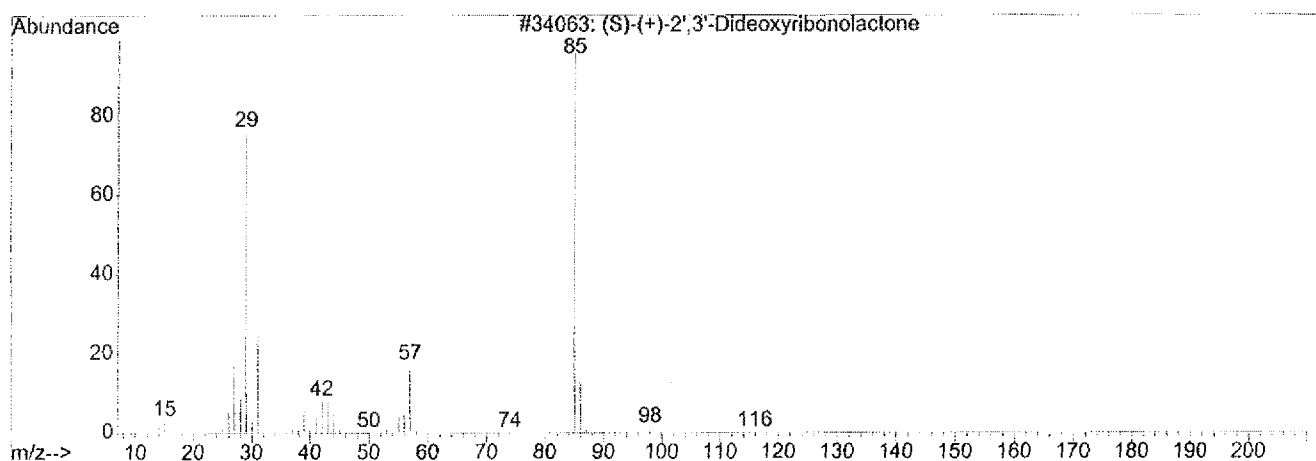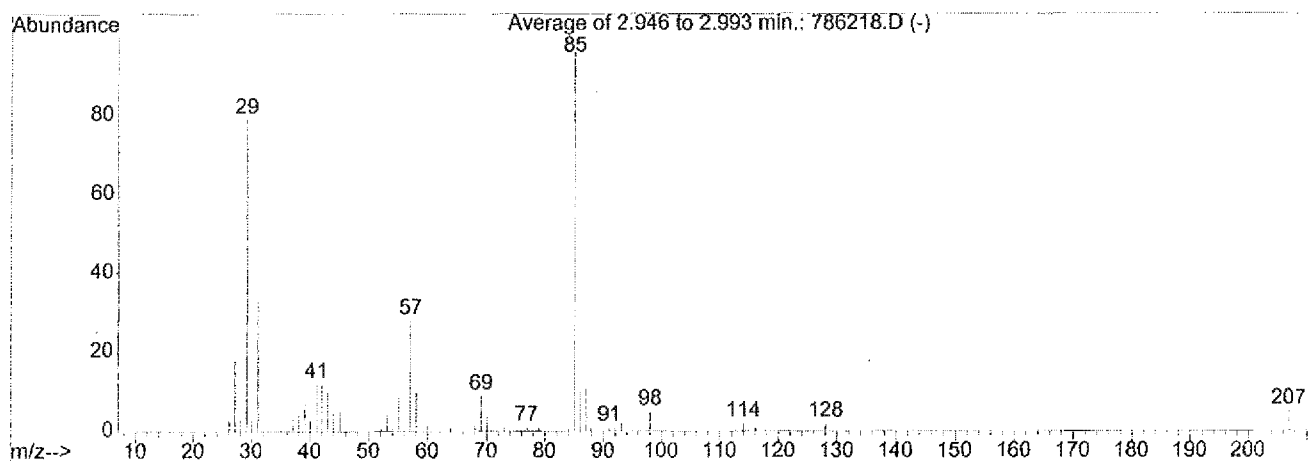Information from Data File:
File Name   : D:\SYSTEM4\05_05_11\786218.D
Operator   : DJR
Date Acquired   : 5 May 2011   18:13
Sample Name   : ███████████
Submitted by   : ASD
Vial Number   : 18
AcquisitionMeth: WSCREEN
Integrator   : RTE

Search Libraries: C:\DATABASE\SLI   Minimum Quality: 90
                    C:\DATABASE\PMW_TOX2.L   Minimum Quality: 90
                    C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
7	2.96	C:\DATABASE\NIST98.L		
		(S)-(+)-2',3'-Dideoxyribonolactone	032780-06-6	72
		Tetrahydrofuran-5-on-2-methanol, .a	1000192-28-3	64
		2(3H)-Furanone, 5-acetyldihydro-	029393-32-6	42

Average of 2.946 to 2.993 min.: 786218.D (-)

#34063: (S)-(+)-2',3'-Dideoxyribonolactone

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Area Percent / Library Search Report
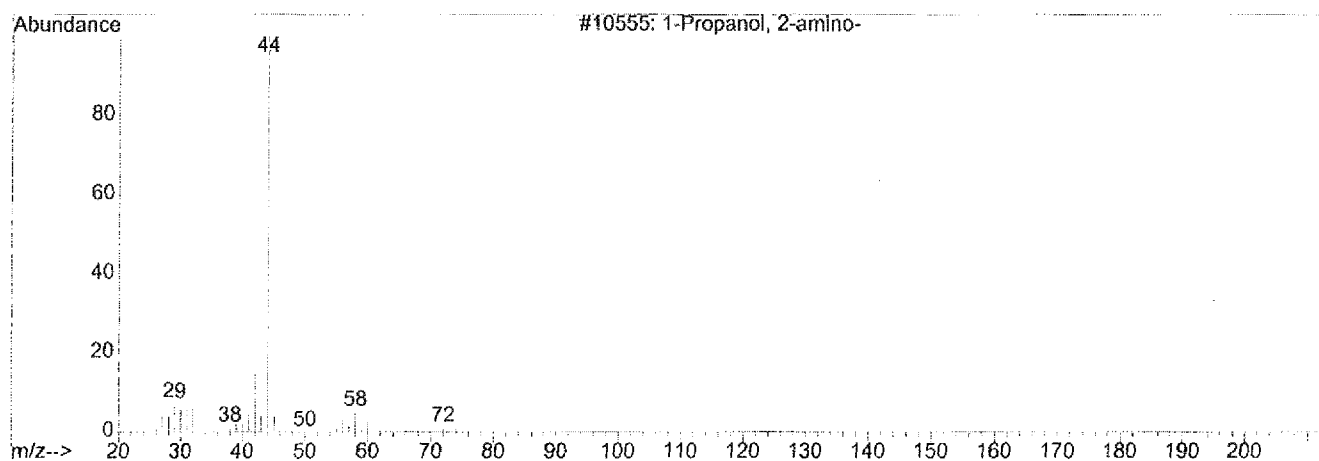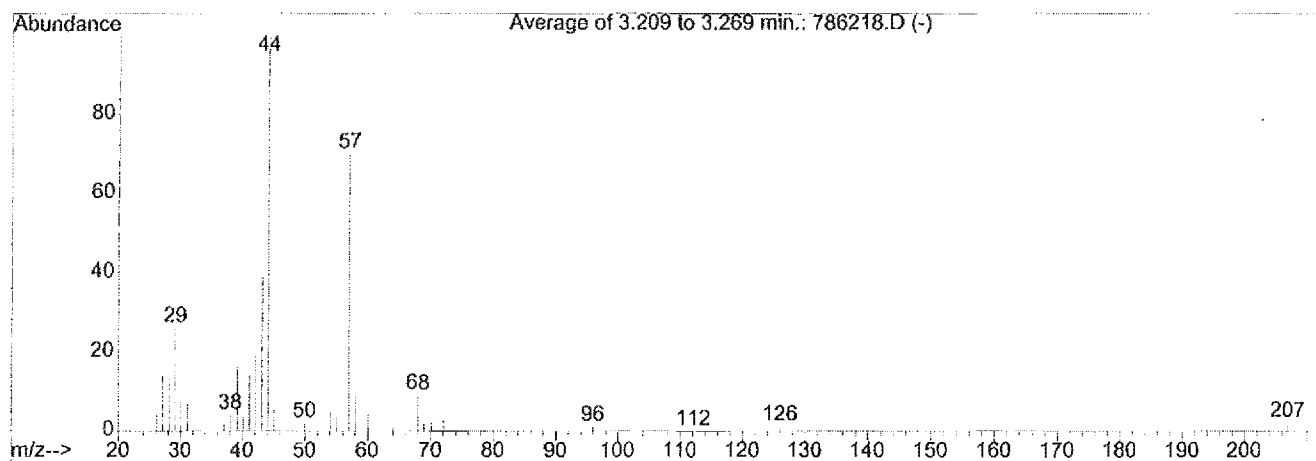
Information from Data File:
File Name   : D:\SYSTEM4\05_05_11\786218.D
Operator   : DJR
Date Acquired : 5 May 2011   18:13
Sample Name   : ███████████
Submitted by   : ASD
Vial Number   : 18
AcquisitionMeth: WSCREEN
Integrator   : RTE

Search Libraries: C:\DATABASE\SLI   Minimum Quality: 90
                    C:\DATABASE\PMW_TOX2.L   Minimum Quality: 90
                    C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
8	3.23	C:\DATABASE\NIST98.L		
		1-Propanol, 2-amino-	000078-91-1	72
		1-Propanol, 2-amino-, (S)-	002749-11-3	59
		2(3H)-Furanone, dihydro-4-hydroxy-	005469-16-9	50

Average of 3.209 to 3.269 min.: 786218.D (-)

#10555: 1-Propanol, 2-amino-

786218.D   Tue Nov 15 10:13:32 2011   Page   9
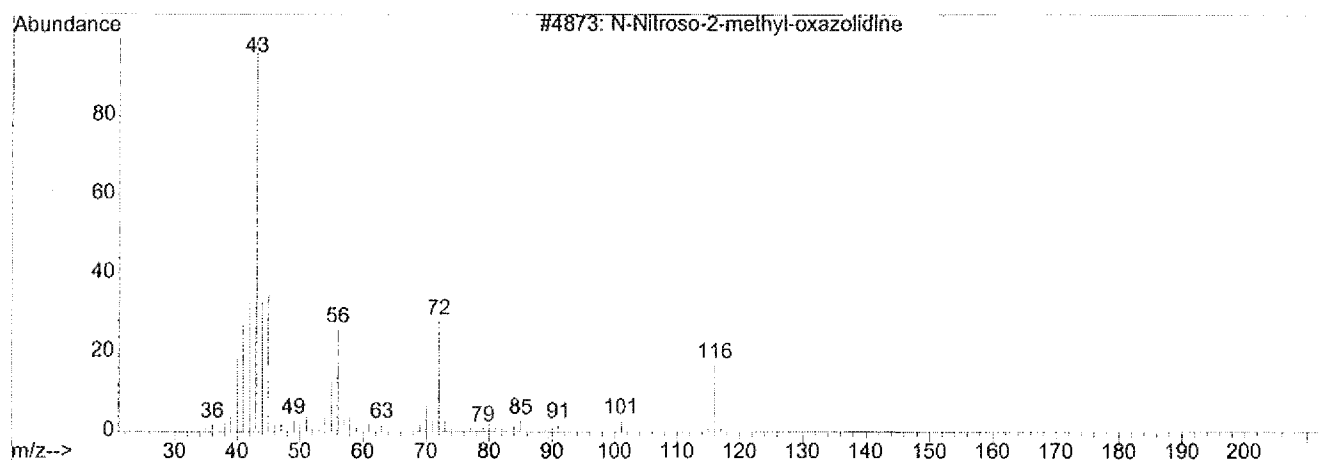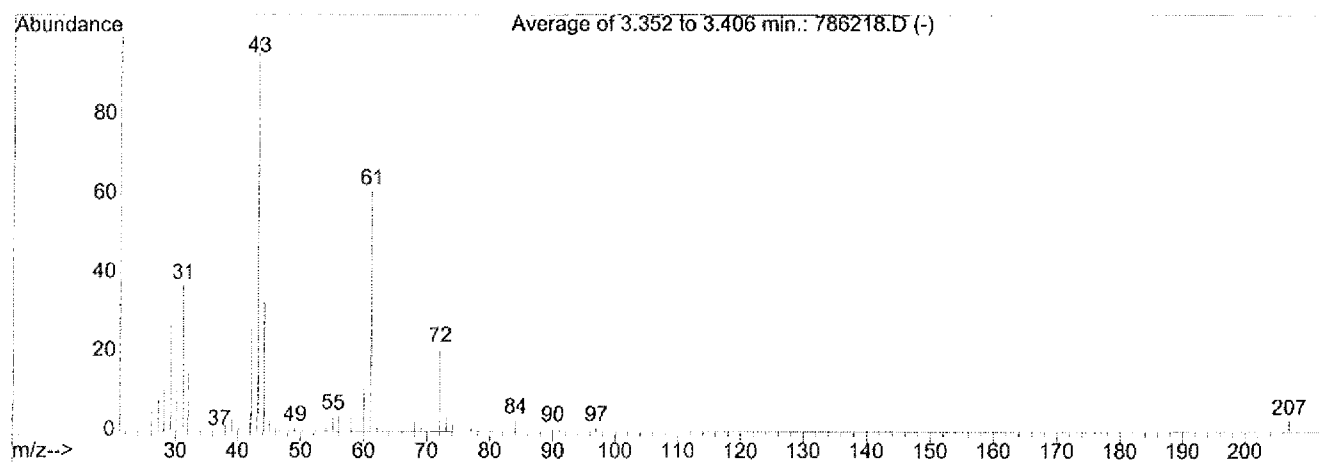
Area Percent / Library Search Report

Information from Data File:
File Name   : D:\SYSTEM4\05_05_11\786218.D
Operator   : DJR
Date Acquired   : 5 May 2011 18:13
Sample Name   : ██████████
Submitted by   : ASD
Vial Number   : 18
AcquisitionMeth: WSCREEN
Integrator   : RTE

Search Libraries: C:\DATABASE\SLI   Minimum Quality: 90
                    C:\DATABASE\PMW_TOX2.L   Minimum Quality: 90
                    C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
9	3.37	C:\DATABASE\NIST98.L		
		N-Nitroso-2-methyl-oxazolidine	039884-53-2	25
		3(2H)-Furanone, dihydro-2-methyl-	003188-00-9	23
		2-Ethoxyethyl acetate	000111-15-9	23

Abundance — Average of 3.352 to 3.406 min.: 786218.D (-)

m/z--> peaks: 31, 37, 43, 49, 55, 61, 72, 84, 90, 97, 207

Abundance — #4873: N-Nitroso-2-methyl-oxazolidine

m/z--> peaks: 36, 43, 49, 56, 63, 72, 79, 85, 91, 101, 116

786218.D   Tue Nov 15 10:13:32 2011   Page 10
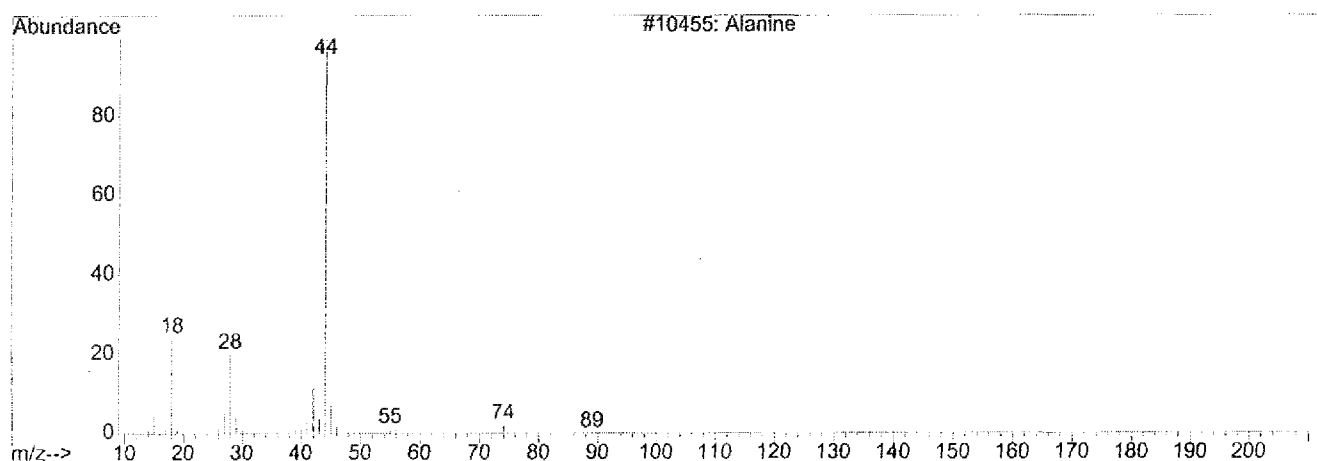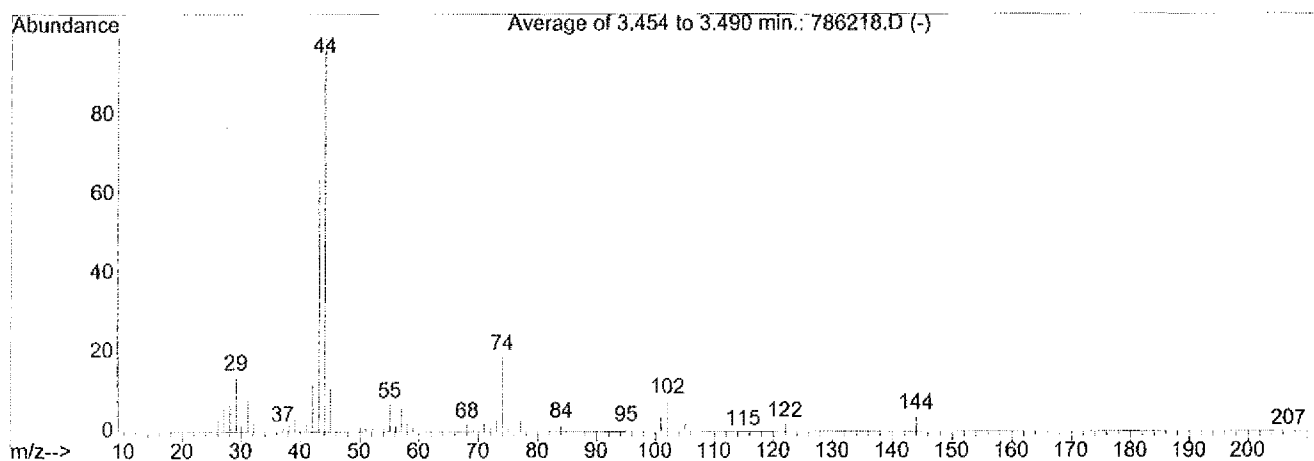
Information from Data File:
File Name   : D:\SYSTEM4\05_05_11\786218.D
Operator   : DJR
Date Acquired : 5 May 2011 18:13
Sample Name   : ████████
Submitted by   : ASD
Vial Number   : 18
AcquisitionMeth: WSCREEN
Integrator   : RTE

Search Libraries: C:\DATABASE\SLI   Minimum Quality: 90
                   C:\DATABASE\PMW_TOX2.L   Minimum Quality: 90
                   C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
10	3.48	C:\DATABASE\NIST98.L		
		Alanine	000056-41-7	56
		1,3-Dioxolane-4-methanol	005464-28-8	50
		2(3H)-Furanone, dihydro-4-hydroxy-	005469-16-9	43

Average of 3.454 to 3.490 min.: 786218.D (-)

#10455: Alanine

786218.D   Tue Nov 15 10:13:33 2011   Page 11

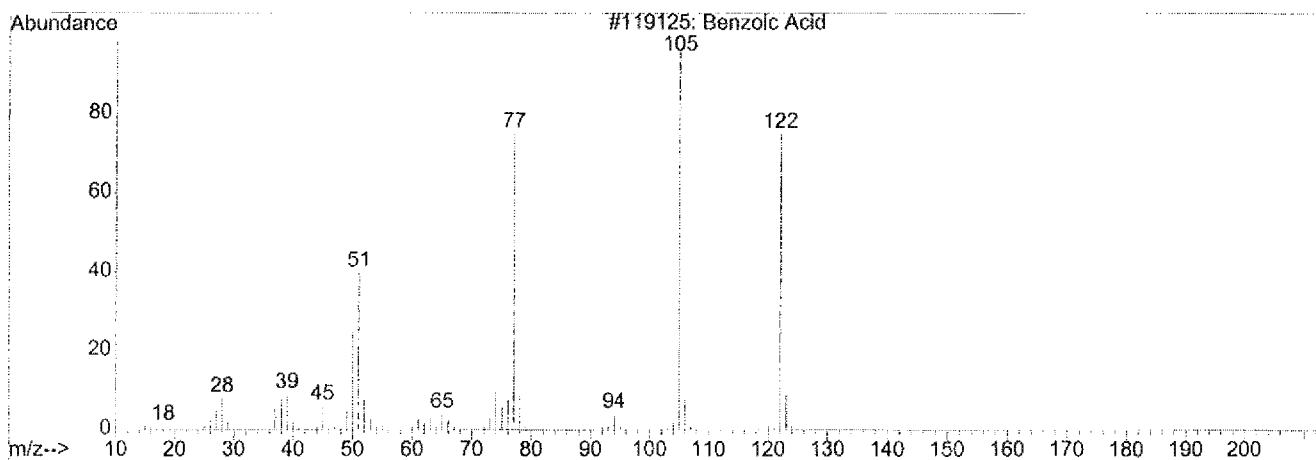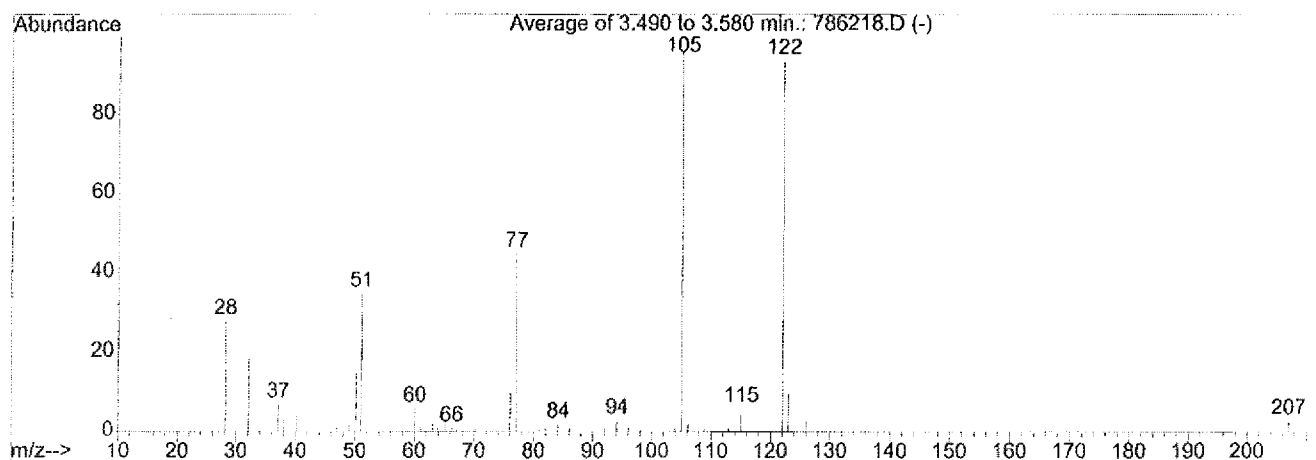Information from Data File:
File Name   : D:\SYSTEM4\05_05_11\786218.D
Operator   : DJR
Date Acquired : 5 May 2011 18:13
Sample Name   : ████████████
Submitted by   : ASD
Vial Number   : 18
AcquisitionMeth: WSCREEN
Integrator   : RTE

Search Libraries: C:\DATABASE\SLI   Minimum Quality: 90
                    C:\DATABASE\PMW_TOX2.L   Minimum Quality: 90
                    C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
11	3.51	C:\DATABASE\NIST98.L		
		Benzoic Acid	000065-85-0	86
		Ethanone, 1,2-diphenyl-	000451-40-1	64
		Benzoic Acid	000065-85-0	64

Average of 3.490 to 3.580 min.: 786218.D (-)

#119125: Benzoic Acid

786218.D   Tue Nov 15 10:13:34 2011   Page 12

Folk_OIG_PRR_027625

Information from Data File:
File Name   : D:\SYSTEM4\05_05_11\786218.D
Operator   : DJR
Date Acquired : 5 May 2011 18:13
Sample Name   : ███████████
Submitted by   : ASD
Vial Number   : 18
AcquisitionMeth: WSCREEN
Integrator   : RTE

Search Libraries: C:\DATABASE\SLI   Minimum Quality: 90
                    C:\DATABASE\PMW_TOX2.L   Minimum Quality: 90
                    C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual

12	3.74	C:\DATABASE\NIST98.L		
		(+)-.alpha.-Terpineol (p-menth-1-en	1000157-89-9	91
		3-Cyclohexene-1-methanol, .alpha.,.	000098-55-5	90
		3-Cyclohexene-1-methanol, .alpha.,.	010482-56-1	90
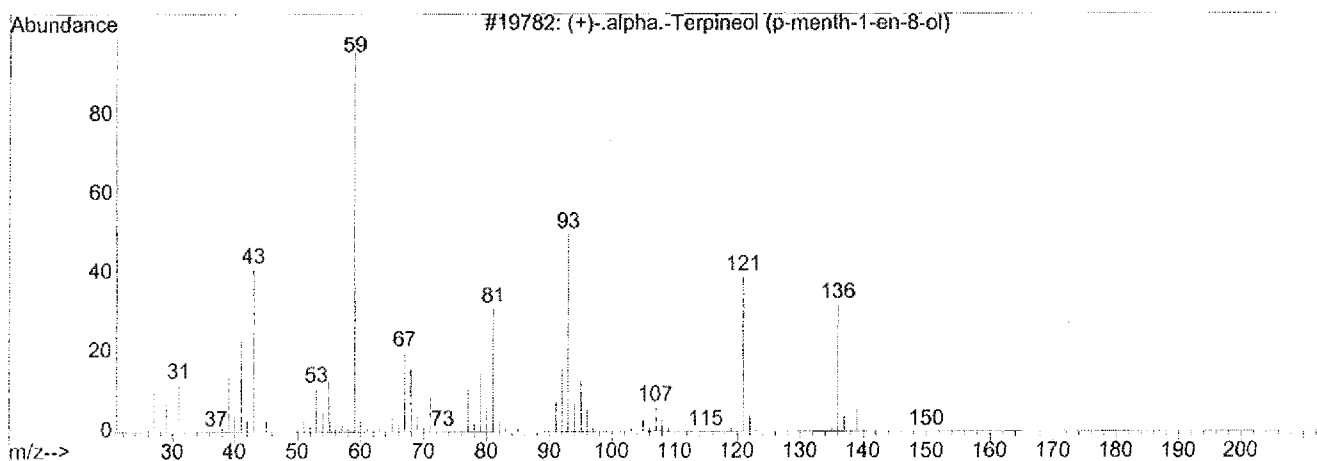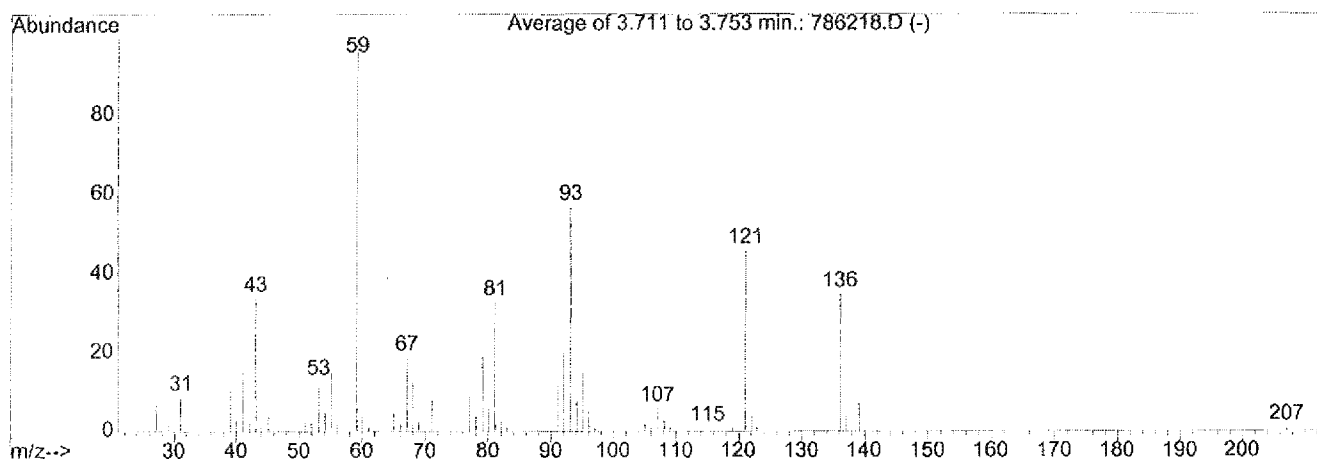
Average of 3.711 to 3.753 min.: 786218.D (-)

#19782: (+)-.alpha.-Terpineol (p-menth-1-en-8-ol)

786218.D   Tue Nov 15 10:13:34 2011   Page 13

Area Percent / Library Search Report
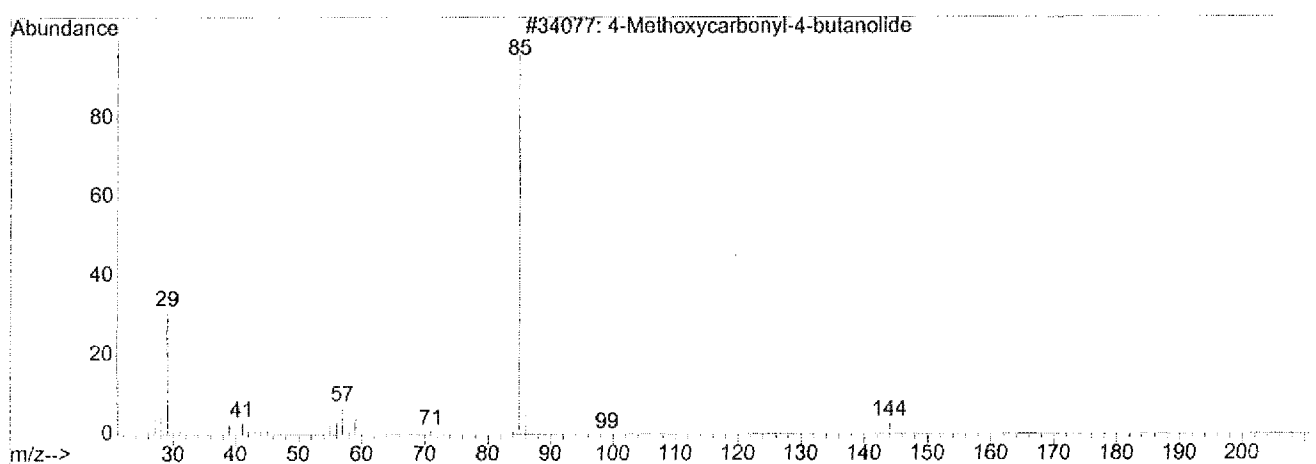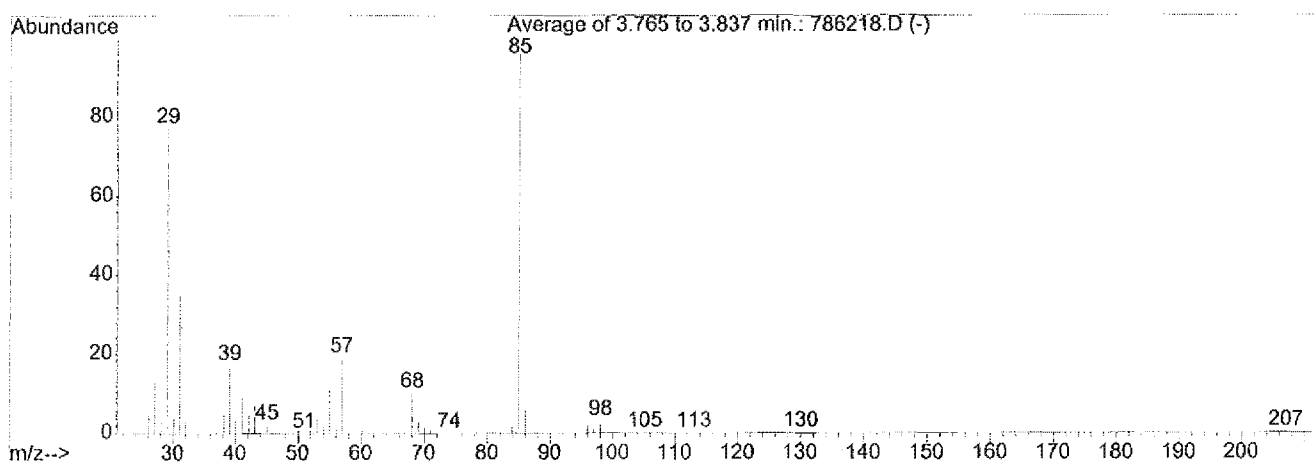
Information from Data File:
File Name   : D:\SYSTEM4\05_05_11\786218.D
Operator   : DJR
Date Acquired : 5 May 2011 18:13
Sample Name   : ███████████
Submitted by   : ASD
Vial Number   : 18
AcquisitionMeth: WSCREEN
Integrator   : RTE

Search Libraries: C:\DATABASE\SLI   Minimum Quality: 90
                    C:\DATABASE\PMW_TOX2.L   Minimum Quality: 90
                    C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
13	3.78	C:\DATABASE\NIST98.L		
		4-Methoxycarbonyl-4-butanolide	003885-29-8	56
		2(3H)-Furanone, 5-acetyldihydro-	029393-32-6	50
		Tetrahydrofuran-5-on-2-methanol, .a	1000192-28-3	40

Average of 3.765 to 3.837 min.: 786218.D (-)

#34077: 4-Methoxycarbonyl-4-butanolide

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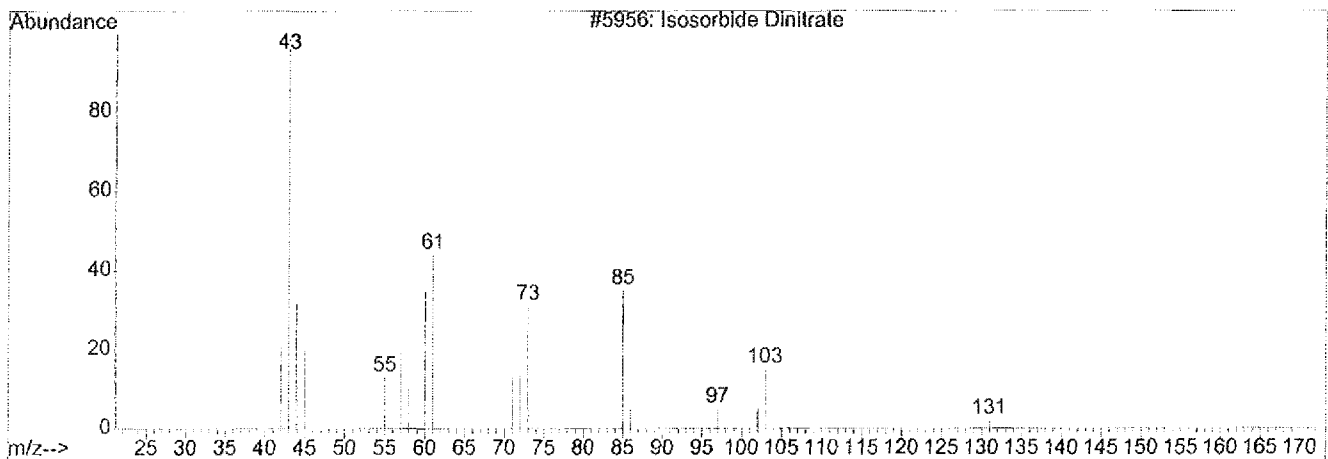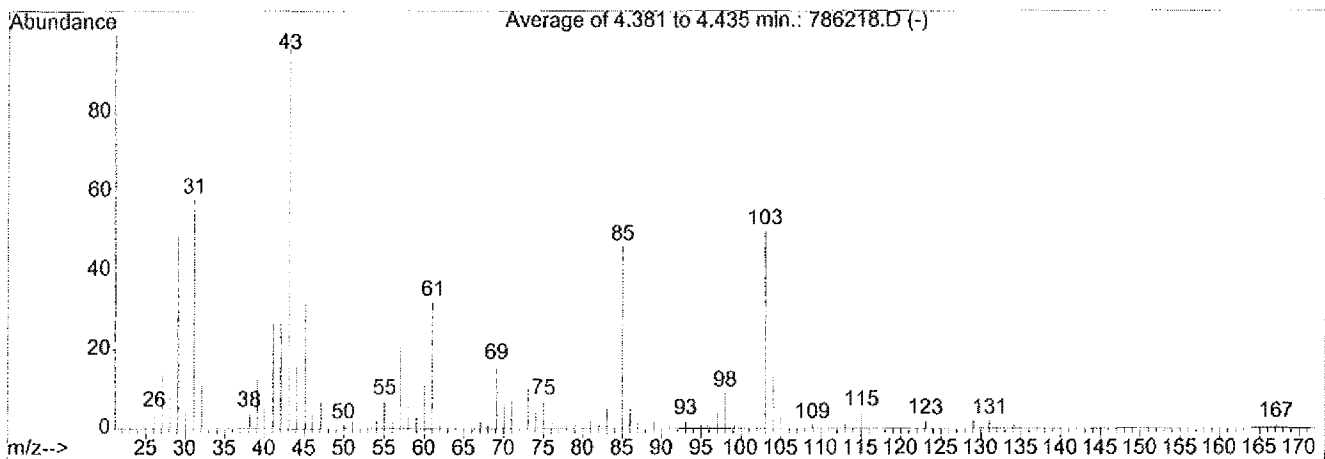Information from Data File:
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File Name        : D:\SYSTEM4\05_05_11\786218.D
Operator         : DJR
Date Acquired    :  5 May 2011  18:13
Sample Name      : ███████████
Submitted by     : ASD
Vial Number      :  18
AcquisitionMeth: WSCREEN
Integrator       : RTE
```

Search Libraries: C:\DATABASE\SLI   Minimum Quality: 90
                    C:\DATABASE\PMW_TOX2.L   Minimum Quality: 90
                    C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
14	4.41	C:\DATABASE\NIST98.L		
		Isosorbide Dinitrate	000087-33-2	40
		Hexyl isovalerate	010632-13-0	33
		d-Glycero-d-galacto-heptose	1000130-14-4	32

Average of 4.381 to 4.435 min.: 786218.D (-)

#5956: Isosorbide Dinitrate

Folk_OIG_PRR_027628

Area Percent / Library Search Report

Information from Data File:
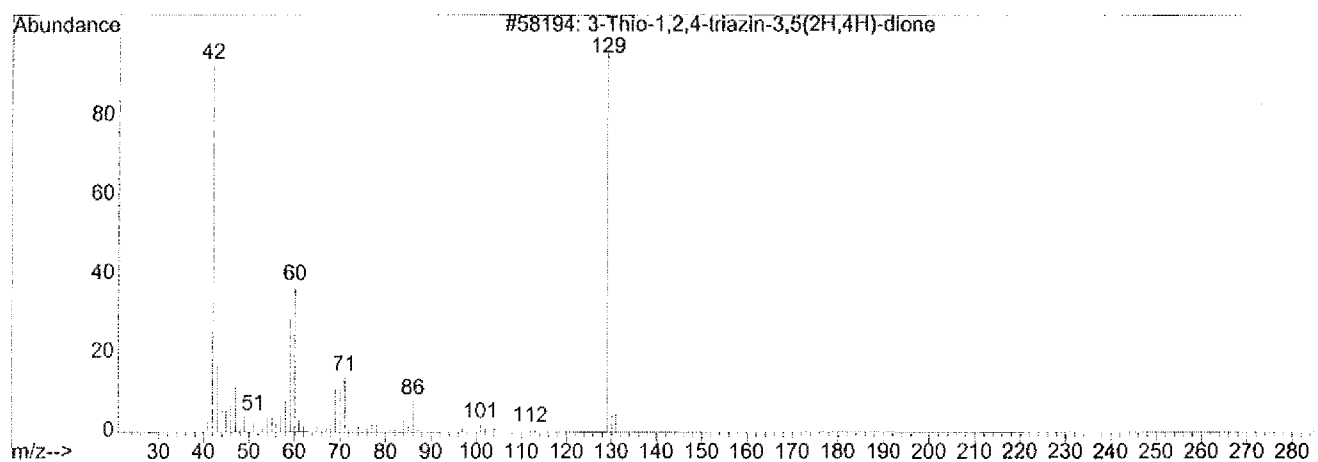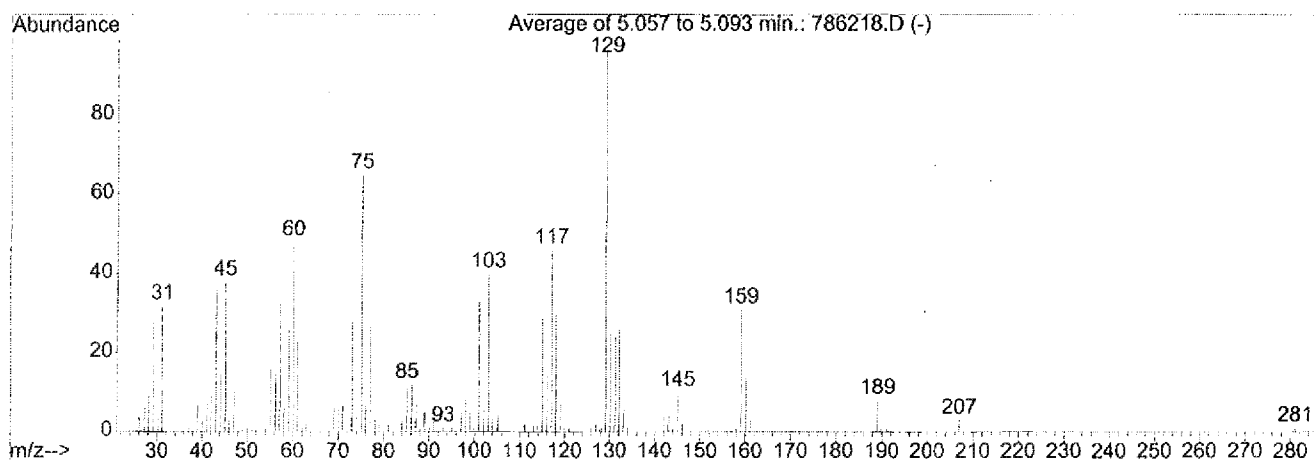```
File Name   : D:\SYSTEM4\05_05_11\786218.D
Operator   : DJR
Date Acquired   : 5 May 2011 18:13
Sample Name   : ███████████
Submitted by   : ASD
Vial Number   : 18
AcquisitionMeth : WSCREEN
Integrator   : RTE
```

| Search Libraries: | C:\DATABASE\SLI | Minimum Quality: 90 |
|---|---|---|
| | C:\DATABASE\PMW_TOX2.L | Minimum Quality: 90 |
| | C:\DATABASE\NIST98.L | |

| PK# | RT | Library/ID | CAS# | Qual |
|---|---|---|---|---|
| 15 | 5.08 | C:\DATABASE\NIST98.L | | |
| | | 3-Thio-1,2,4-triazin-3,5(2H,4H)-dio | 1000213-20-1 | 16 |
| | | 4,5-Dimethylthiazole S-oxide | 1000112-53-4 | 16 |
| | | 2(1H)-Quinolinone, hydrazone | 015793-77-8 | 16 |



Average of 5.057 to 5.093 min.: 786218.D (-)



#58194: 3-Thio-1,2,4-triazin-3,5(2H,4H)-dione

# Area Percent / Library Search Report
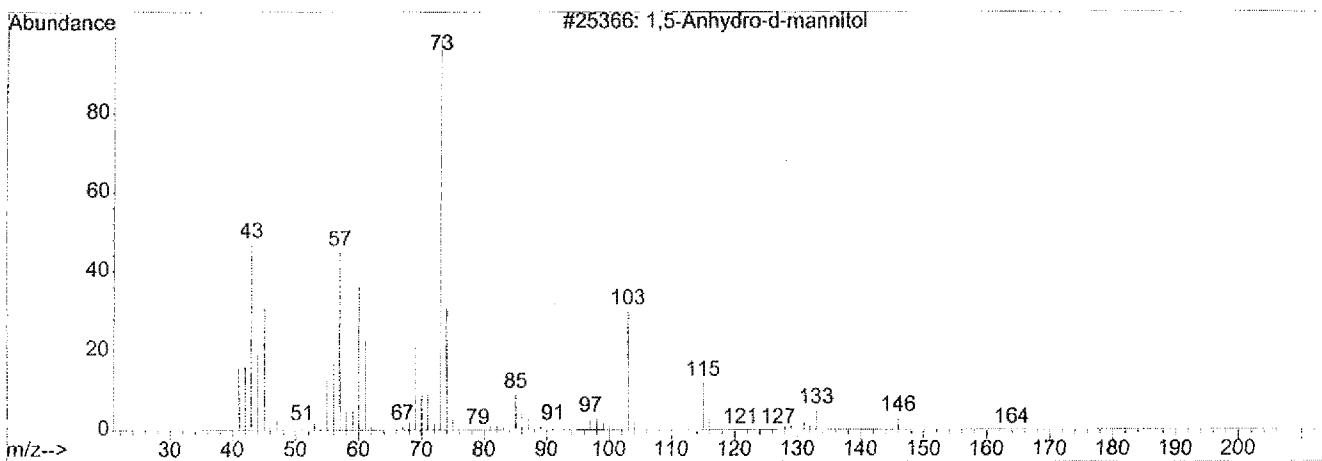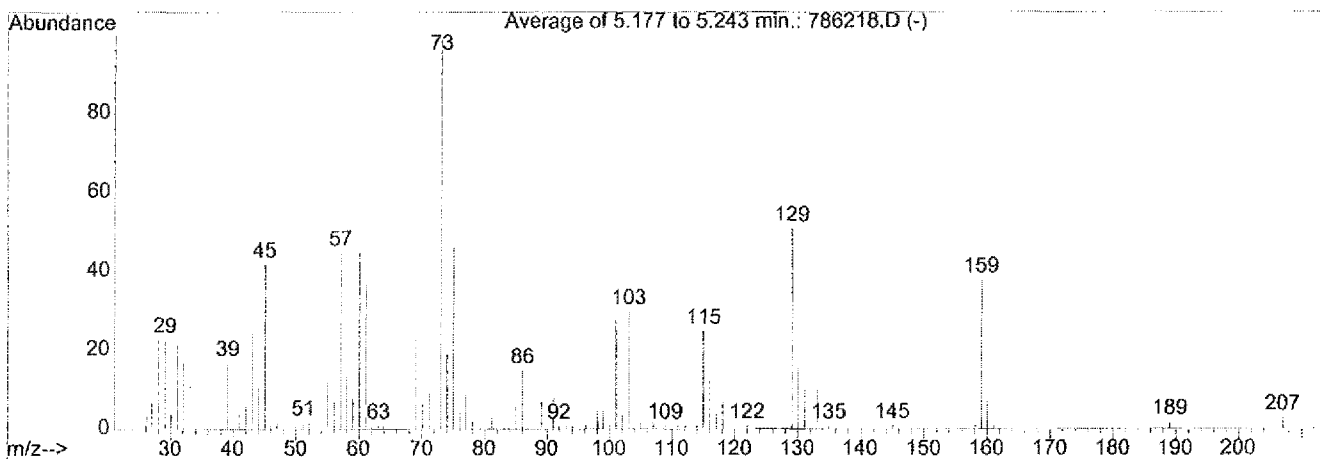
Information from Data File:
File Name       : D:\SYSTEM4\05_05_11\786218.D
Operator        : DJR
Date Acquired   : 5 May 2011  18:13
Sample Name     : ███████████
Submitted by    : ASD
Vial Number     : 18
AcquisitionMeth : WSCREEN
Integrator      : RTE

Search Libraries:   C:\DATABASE\SLI              Minimum Quality: 90
                    C:\DATABASE\PMW_TOX2.L        Minimum Quality: 90
                    C:\DATABASE\NIST98.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|-----|-----------|------|------|
| 16 | 5.21 | C:\DATABASE\NIST98.L | | |
| | | 1,5-Anhydro-d-mannitol | 1000127-68-6 | 37 |
| | | 2-Butenoic acid, 4,4-dimethoxy-, me | 068085-49-4 | 32 |
| | | .beta.-D-Ribopyranoside, methyl | 017289-61-1 | 16 |



Average of 5.177 to 5.243 min.: 786218.D (-)



#25366: 1,5-Anhydro-d-mannitol

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# Area Percent / Library Search Report
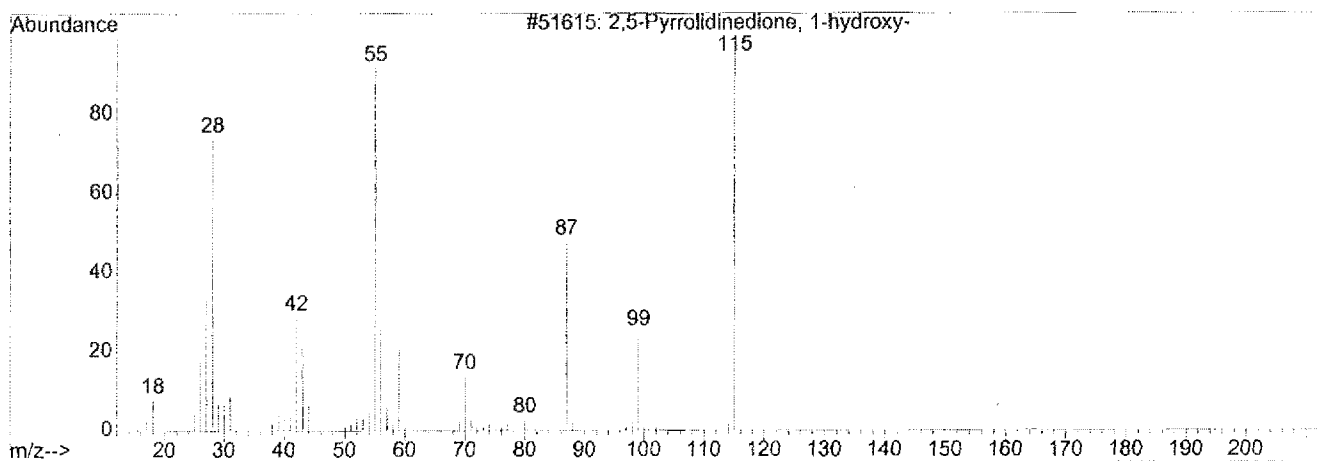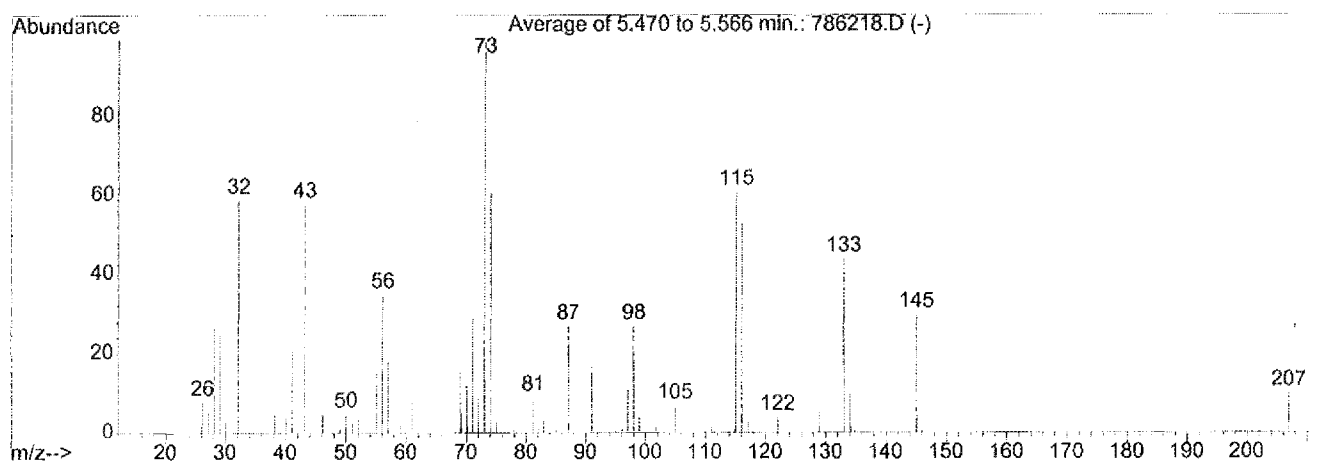
Information from Data File:
File Name      : D:\SYSTEM4\05_05_11\786218.D
Operator       : DJR
Date Acquired  :  5 May 2011  18:13
Sample Name    : ███████████
Submitted by   : ASD
Vial Number    :  18
AcquisitionMeth: WSCREEN
Integrator     : RTE

Search Libraries:    C:\DATABASE\SLI              Minimum Quality: 90
                     C:\DATABASE\PMW_TOX2.L       Minimum Quality: 90
                     C:\DATABASE\NIST98.L

| PK# | RT | Library/ID | CAS# | Qual |
|---|---|---|---|---|
| 17 | 5.51 | C:\DATABASE\NIST98.L | | |
| | | 2,5-Pyrrolidinedione, 1-hydroxy- | 006066-82-6 | 9 |
| | | Indene | 000095-13-6 | 9 |
| | | Indene | 000095-13-6 | 9 |



Average of 5.470 to 5.566 min.: 786218.D (-)



#51615: 2,5-Pyrrolidinedione, 1-hydroxy-

# Area Percent / Library Search Report
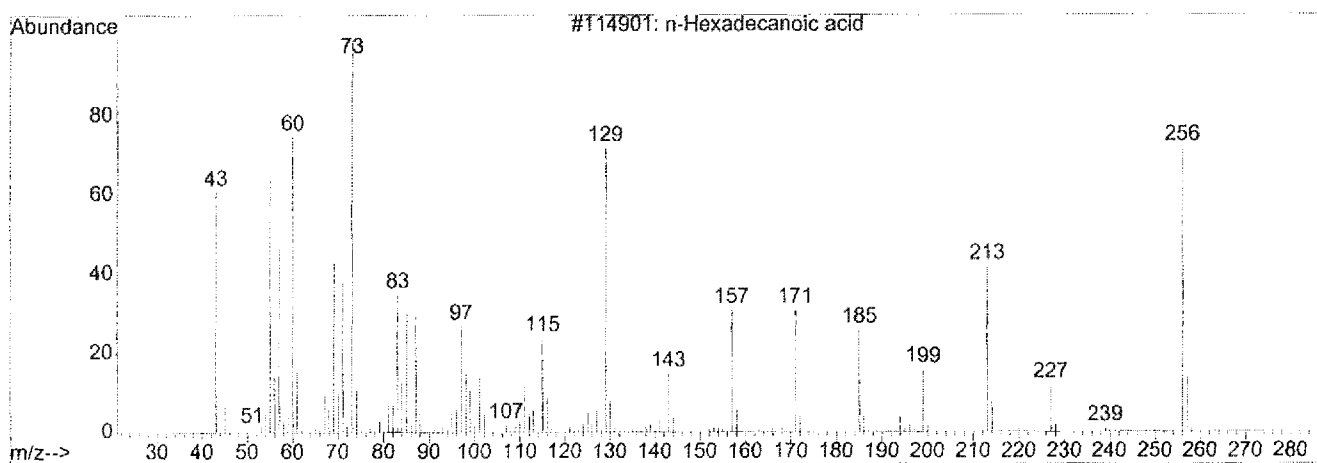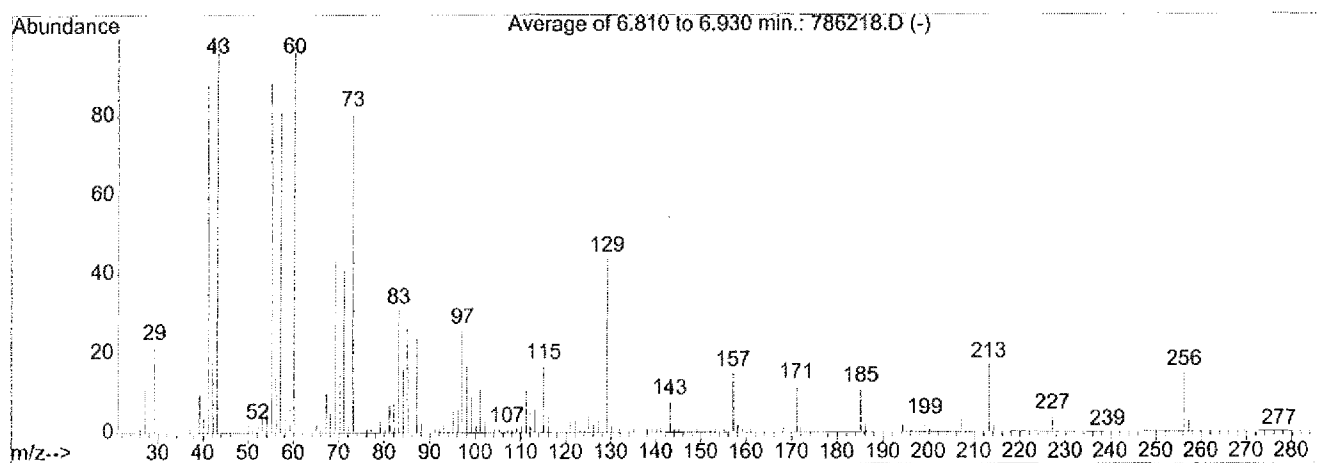
Information from Data File:
File Name      : D:\SYSTEM4\05_05_11\786218.D
Operator       : DJR
Date Acquired  : 5 May 2011  18:13
Sample Name    : ██████████
Submitted by   : ASD
Vial Number    : 18
AcquisitionMeth: WSCREEN
Integrator     : RTE

Search Libraries:  C:\DATABASE\SLI              Minimum Quality: 90
                   C:\DATABASE\PMW_TOX2.L       Minimum Quality: 90
                   C:\DATABASE\NIST98.L

| PK# | RT | Library/ID | CAS# | Qual |
|---|---|---|---|---|
| 18 | 6.83 | C:\DATABASE\NIST98.L | | |
| | | n-Hexadecanoic acid | 000057-10-3 | 93 |
| | | Heptadecanoic acid | 000506-12-7 | 83 |
| | | n-Hexadecanoic acid | 000057-10-3 | 81 |



Average of 6.810 to 6.930 min.: 786218.D (-)



#114901: n-Hexadecanoic acid

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Folk_OIG_PRR_027632

Information from Data File:
File Name        : D:\SYSTEM4\05_05_11\786218.D
Operator         : DJR
Date Acquired    : 5 May 2011  18:13
Sample Name      : █████████
Submitted by     : ASD
Vial Number      : 18
AcquisitionMeth: WSCREEN
Integrator       : RTE

Search Libraries:  C:\DATABASE\SLI           Minimum Quality: 90
                   C:\DATABASE\PMW_TOX2.L    Minimum Quality: 90
                   C:\DATABASE\NIST98.L

| PK# | RT | Library/ID | CAS# | Qual |
|---|---|---|---|---|
| 19 | 7.48 | C:\DATABASE\NIST98.L | | |
| | | Octadecanoic acid | 000057-11-4 | 96 |
| | | Octadecanoic acid | 000057-11-4 | 95 |
| | | Octadecanoic acid | 000057-11-4 | 94 |
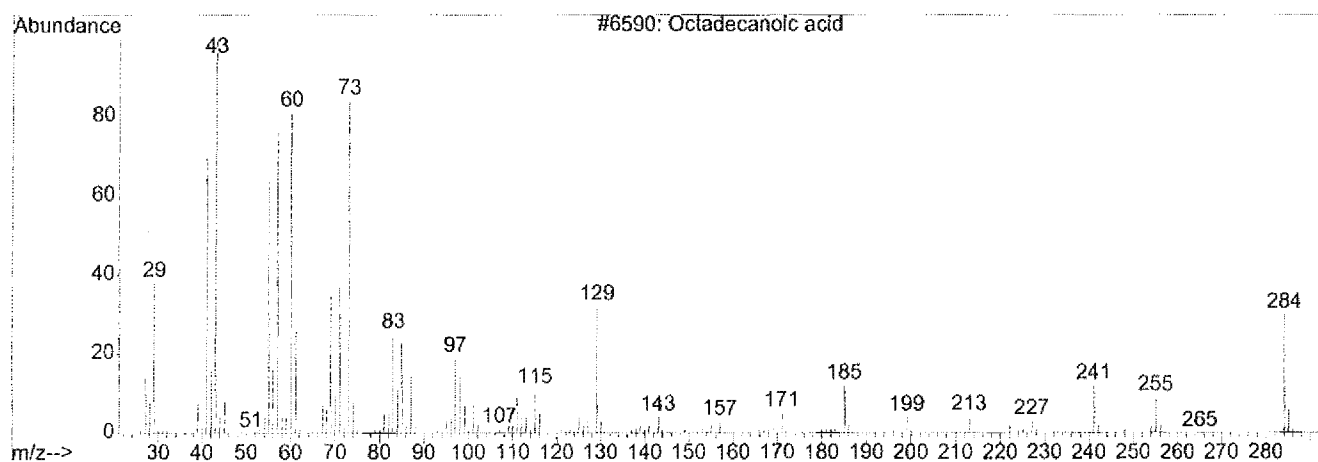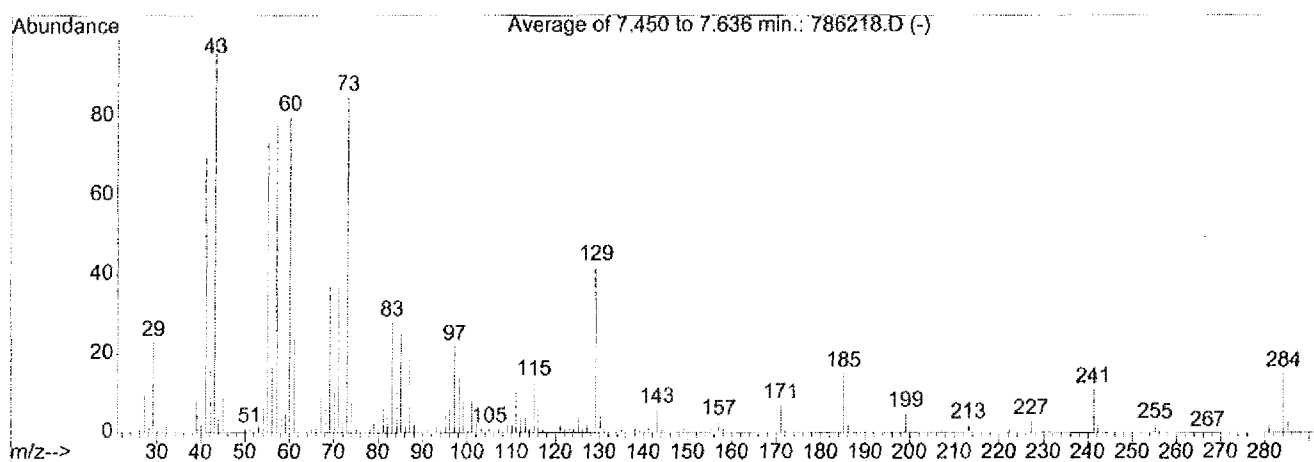

Average of 7.450 to 7.636 min.: 786218.D (-)


#6590: Octadecanoic acid

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Information from Data File:
File Name      : D:\SYSTEM4\05_05_11\786218.D
Operator       : DJR
Date Acquired  :  5 May 2011  18:13
Sample Name    : ██████████
Submitted by   : ASD
Vial Number    :  18
AcquisitionMeth: WSCREEN
Integrator     : RTE

---

Search Libraries:    C:\DATABASE\SLI              Minimum Quality: 90
                     C:\DATABASE\PMW_TOX2.L       Minimum Quality: 90
                     C:\DATABASE\NIST98.L

| PK# | RT | Library/ID | CAS# | Qual |
|---|---|---|---|---|
| 20 | 9.77 | C:\DATABASE\NIST98.L | | |
| | | Morphinan-6-one, 4,5-epoxy-3,14-dih | 000465-65-6 | 99 |
| | | Morphinan-6-one, 4,5-epoxy-3,14-dih | 000465-65-6 | 99 |
| | | Morphinan-6-one, 4,5-epoxy-3,14-dih | 000465-65-6 | 91 |
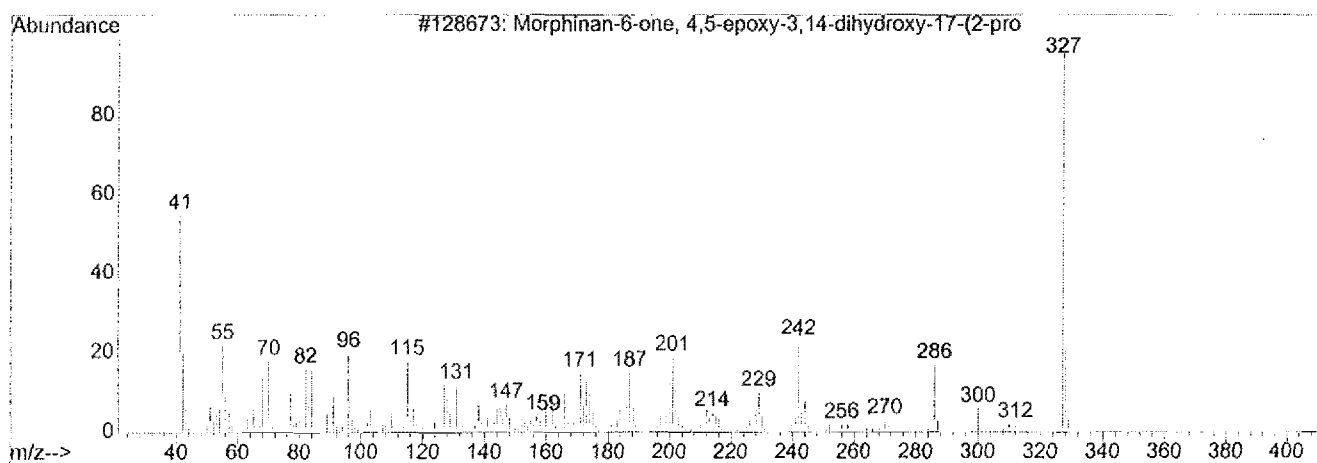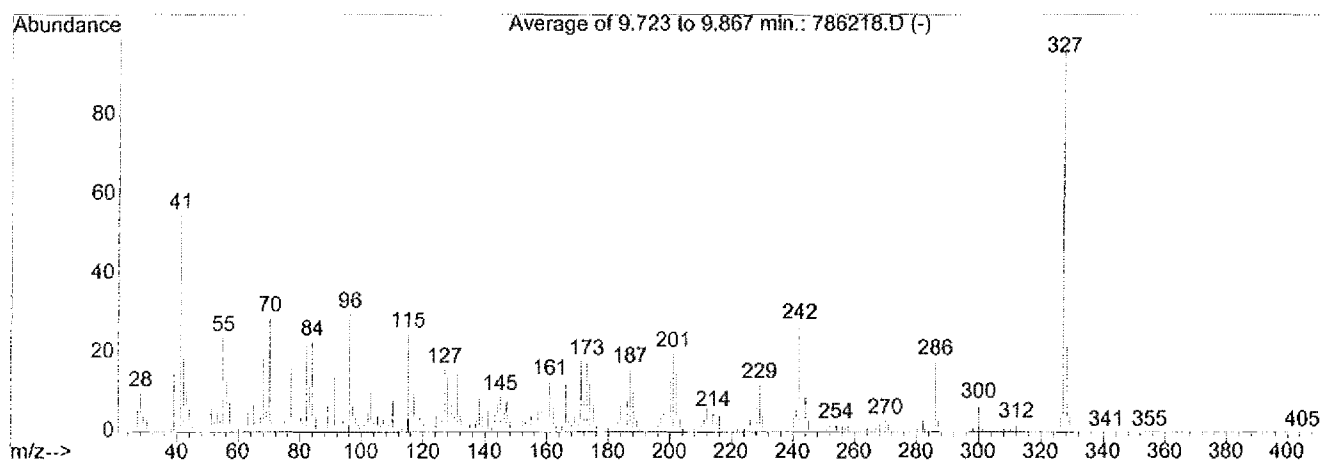


Average of 9.723 to 9.867 min.: 786218.D (-)



#128673: Morphinan-6-one, 4,5-epoxy-3,14-dihydroxy-17-(2-pro

Folk_OIG_PRR_027634

Information from Data File:
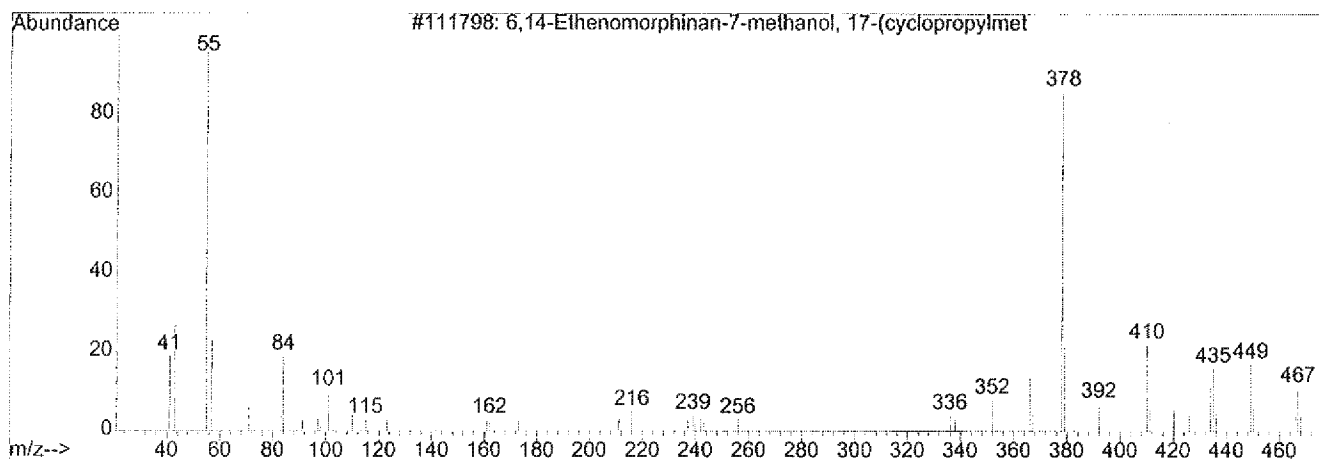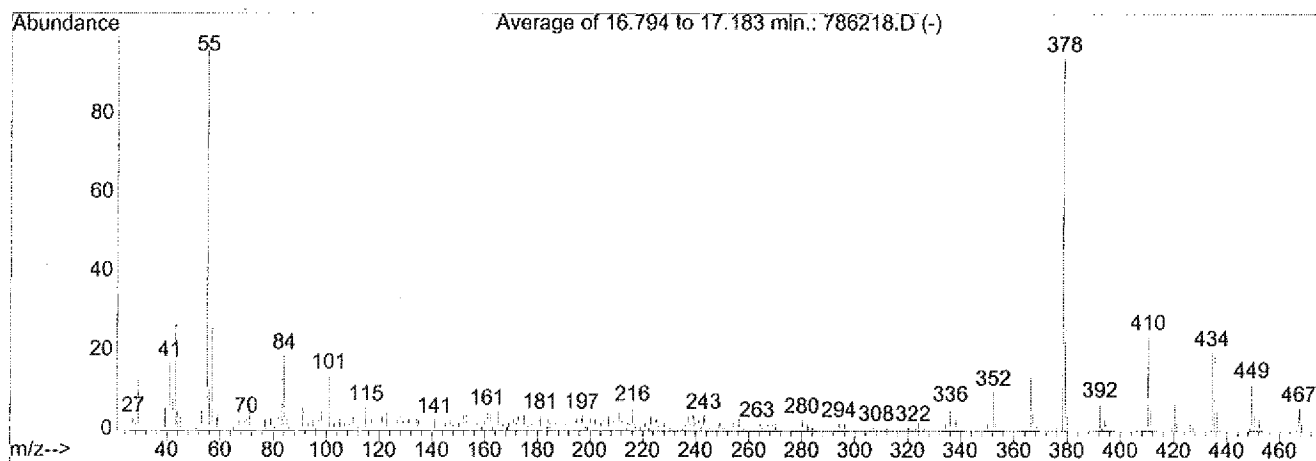```
File Name       : D:\SYSTEM4\05_05_11\786218.D
Operator        : DJR
Date Acquired   :  5 May 2011  18:13
Sample Name     : ███████████
Submitted by    : ASD
Vial Number     :  18
AcquisitionMeth: WSCREEN
Integrator      : RTE
```

Search Libraries: C:\DATABASE\SLI   Minimum Quality: 90
                    C:\DATABASE\PMW_TOX2.L   Minimum Quality: 90
                    C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
21	17.01	C:\DATABASE\NIST98.L		
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	96
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	95
		10-Methoxycamptothecin	019685-10-0	55

Average of 16.794 to 17.183 min.: 786218.D (-)

#111798: 6,14-Ethenomorphinan-7-methanol, 17-(cyclopropylmet
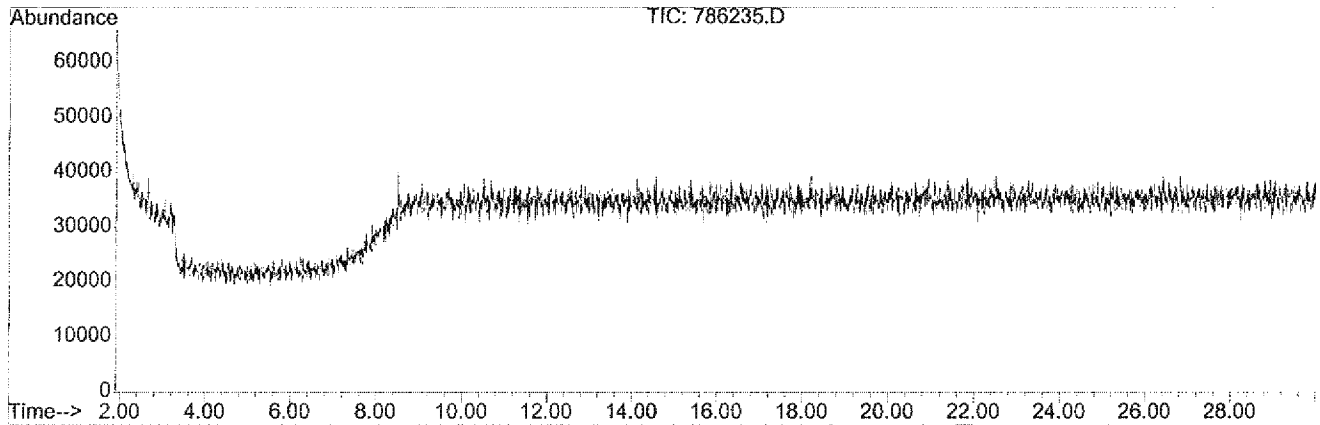
Folk_OIG_PRR_027635

Area Percent / Library Search Report

Information from Data File:
```
File Name       : D:\SYSTEM4\05_05_11\786235.D
Operator        : DJR
Date Acquired   : 6 May 2011   3:50
Sample Name     : BLANK
Submitted by    :
Vial Number     :   1
AcquisitionMeth: WSCREEN
Integrator      : RTE
```


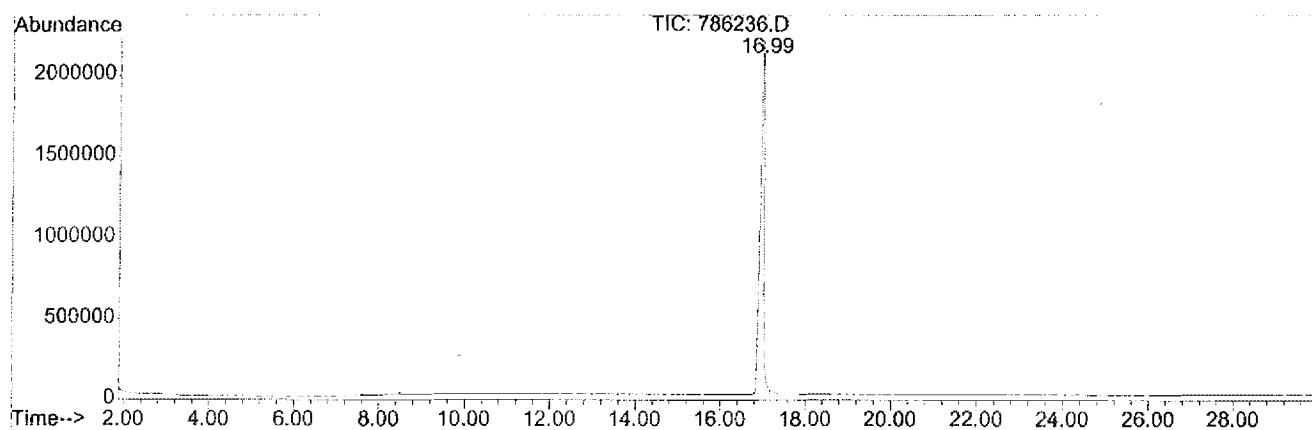| Ret. Time	Area	Area %	Ratio %

NO INTEGRATED PEAKS

Folk_OIG_PRR_027636

Area Percent / Library Search Report

Information from Data File:
```
File Name      : D:\SYSTEM4\05_05_11\786236.D
Operator       : DJR
Date Acquired  : 6 May 2011  4:24
Sample Name    : BUPRENORPHINE STD
Submitted by   :
Vial Number    :    6
AcquisitionMeth: WSCREEN
Integrator     : RTE
```


Ret. Time	Area	Area %	Ratio %
16.994	13163353	100.00	100.00

Area Percent / Library Search Report

Information from Data File:
```
File Name       : D:\SYSTEM4\05_05_11\786236.D
Operator        : DJR
Date Acquired   : 6 May 2011    4:24
Sample Name     : BUPRENORPHINE STD
Submitted by    :
Vial Number     :    6
AcquisitionMeth : WSCREEN
Integrator      : RTE
```

Search Libraries: C:\DATABASE\SLI   Minimum Quality: 90
                    C:\DATABASE\PMW_TOX2.L   Minimum Quality: 90
                    C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
1	16.99	C:\DATABASE\NIST98.L		
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	97
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	83
		Anthiaergosta-5,7,9,22-tetraene	1000213-42-2	55

Average of 16.809 to 17.174 min.: 786236.D (-)

#104561: 6,14-Ethenomorphinan-7-methanol, 17-(cyclopropylmet